KerrMcGee

Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

September 19, 2007

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11
NBU 922-18J3S
T9S R22E
Section 18: NWSE
NWSE 1453' FSL, 2564' FEL (surface)
NWSE 1888' FSL, 2052' FEL (bottom hole)
Uintah County, Utah

Dear Mrs. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 922-18J3S is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore and the W/2, W/2NE/4 and SE/4 of Section 18 (federal leases USA UTU-0359, USA-UTU 0359-A and USA-UTU 0461).

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

James C. Colligan III
Landman

Form 3160-3
(August 1999)

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-0461

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

1a. Type of Work: [X] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.
UNIT #891008900A

b. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [X] Multiple Zone

8. Lease Name and Well No.
NBU 922-18J3S

2. Name of Operator
KERR MCGEE OIL AND GAS ONSHORE LP

9. API Well No.
43-047-39842

3A. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface **NW/SE 1453'FSL, 2564'FEL**
At proposed prod. Zone **NW/SE 1888'FSL, 2052'FEL**

11. Sec., T., R., M., or Blk, and Survey or Area
SEC. 18, T9S, R22E

14. Distance in miles and direction from nearest town or post office*
16.6 +/- MILES FROM OURAY, UTAH

12. County or Parish
UINTAH

13. State
UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
1442'

16. No. of Acres in lease
601.96

17. Spacing Unit dedicated to this well
40.00

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
REFER TO TOPO C

19. Proposed Depth
9818'

20. BLM/BIA Bond No. on file
RLB0005239

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
4861'GL

22. Approximate date work will start*
UPON APPROVAL

23. Estimated duration
TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature
Name *(Printed/Typed)* **SHEILA UPCHEGO**
Date **11/16/2007**

Title
SENIOR LAND ADMIN SPECIALIST

Approved by *(Signature)*
Name *(Printed/Typed)* **BRADLEY G. HILL**
Date **12-03-07**

Title
Office **ENVIRONMENTAL MANAGER**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**(Instructions on reverse)*

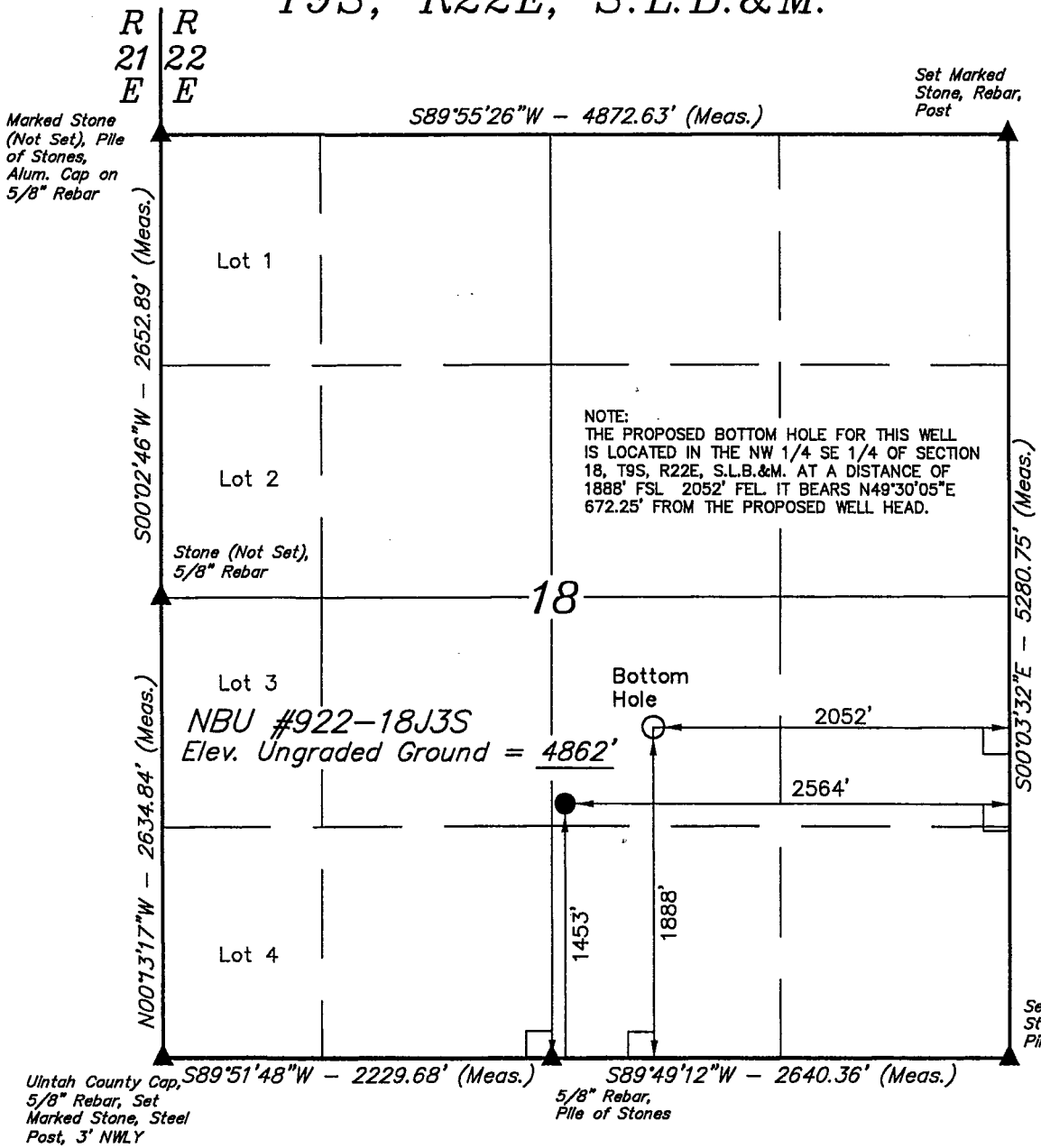
Surf
629542X
4432285 4
40.032742
-109.481742

Bhl
629695X
4432420 4
40.033934
-109.479924

Federal Approval of this Action is Necessary

RECEIVED
NOV 20 2007
DIV. OF OIL, GAS & MINING

T9S, R22E, S.L.B.&M.



Kerr-McGee Oil & Gas Onshore LP

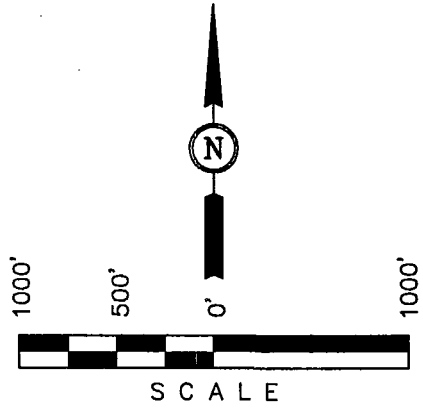
Well location, NBU #922-18J3S, located as shown in the NW 1/4 SE 1/4 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°01'57.84" (40.032733)
LONGITUDE = 109°28'56.87" (109.482464)
(NAD 27)
LATITUDE = 40°01'57.97" (40.032769)
LONGITUDE = 109°28'54.40" (109.481778)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	05-07-07	05-16-07
PARTY: D.K. L.K. C.H.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: Kerr-McGee Oil & Gas Onshore LP	

NBU 922-18J3S
NW/SE Sec. 18, T9S, R22E
UINTAH COUNTY, UTAH
UTU-0461

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	1719'
Top of Birds Nest Water 2006'	
Mahogany	2361'
Wasatch	4956'
Mesaverde	7663'
MVU2	8614'
MVL1	9108'
TVD	9730'
TD (MD)	9818'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1719'
	Top of Birds Nest Water 2006'	
	Mahogany	2361'
Gas	Wasatch	4956'
Gas	Mesaverde	7663'
Gas	MVU2	8614'
Gas	MVL1	9108'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9818' TD, approximately equals 6087 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3927 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP.

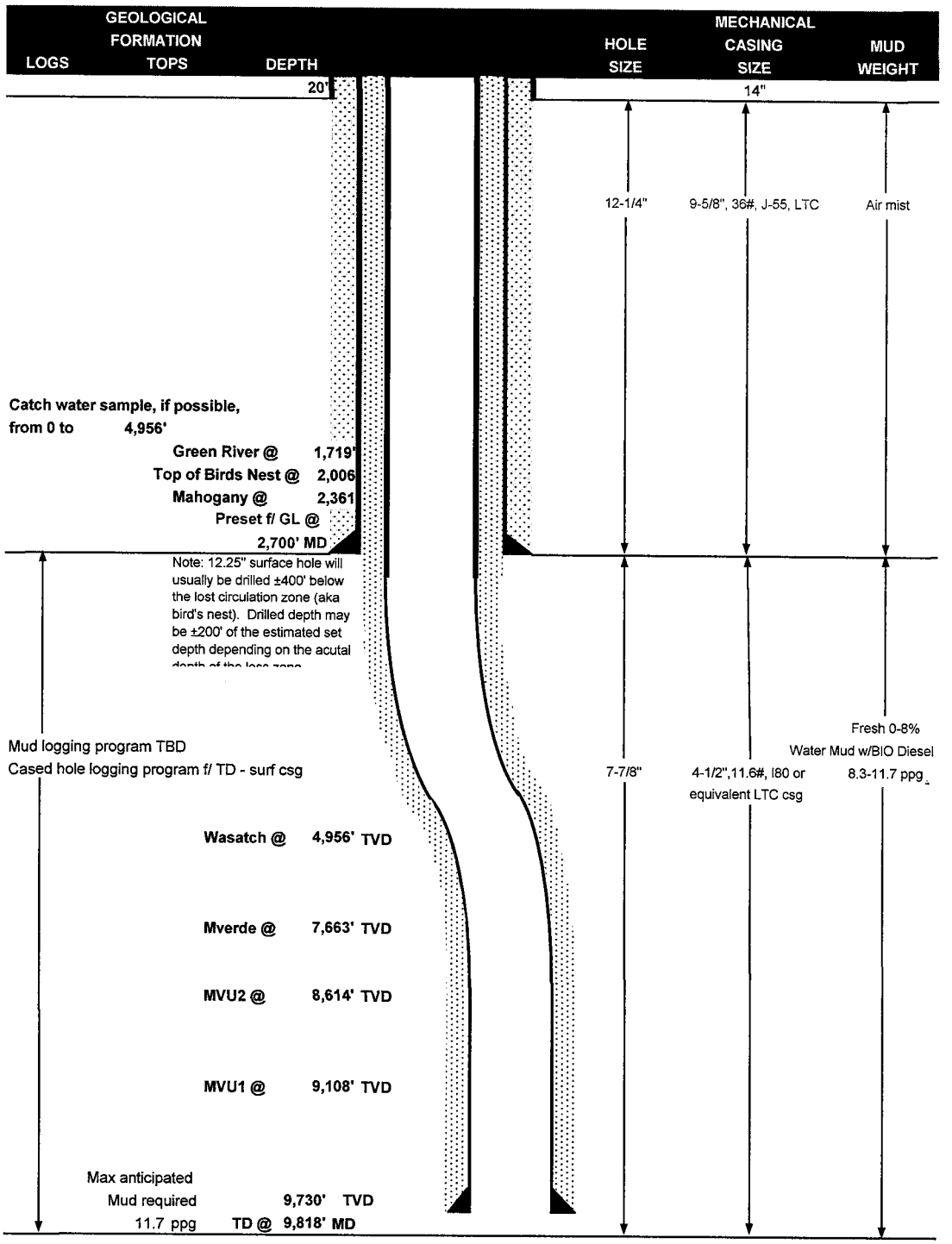
10. **Other Information:**

Please see Natural Buttes Unit SOP.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	November 16, 2007	
WELL NAME	**NBU 922-18J3S**		TD	9,818' MD	9,730' TVD
FIELD	Natural Buttes	COUNTY Uintah STATE Utah	ELEVATION	4,861' GL	KB 4,876'
SURFACE LOCATION	NW/SE SEC. 18, T9S, R22E 1453'FSL, 2564'FEL				
	Latitude: 40.032733 Longitude: 109.482464				
BTM HOLE LOCATION	NW/SE SEC. 18, T9S, R22E 1888'FSL, 2052'FEL				
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: TRIBAL SURFACE, BLM MINERALS, UDOGM, Tri-County Health Dept.				



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3520	2020	453000
SURFACE	9-5/8"	0 to 2700	36.00	J-55	LTC	0.92	1.60	5.93
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9818	11.60	I-80	LTC	2.04	1.06	2.02

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 0.0 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3813 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1							
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			NOTE: If well will circulate water to surface, option 2 will be utilized				
Option 2	LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOW	360	35%	12.60	1.81
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	7,158'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	780	60%	11.00	3.38
	TAIL	2,660'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	750	60%	14.30	1.31

*Substitute caliper hole volume plus 15% excess if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

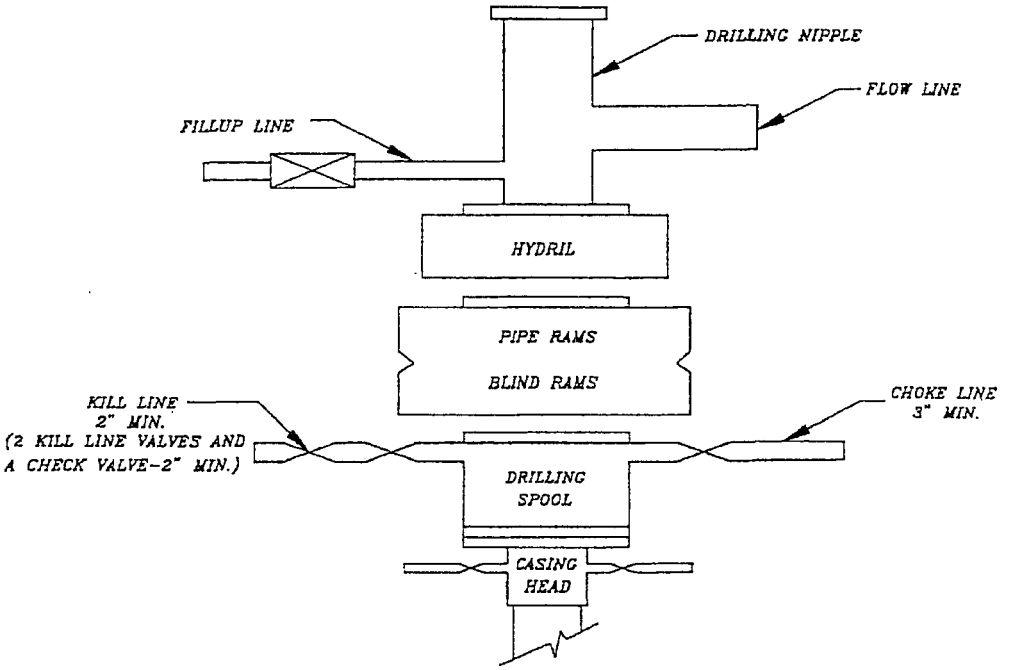
Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

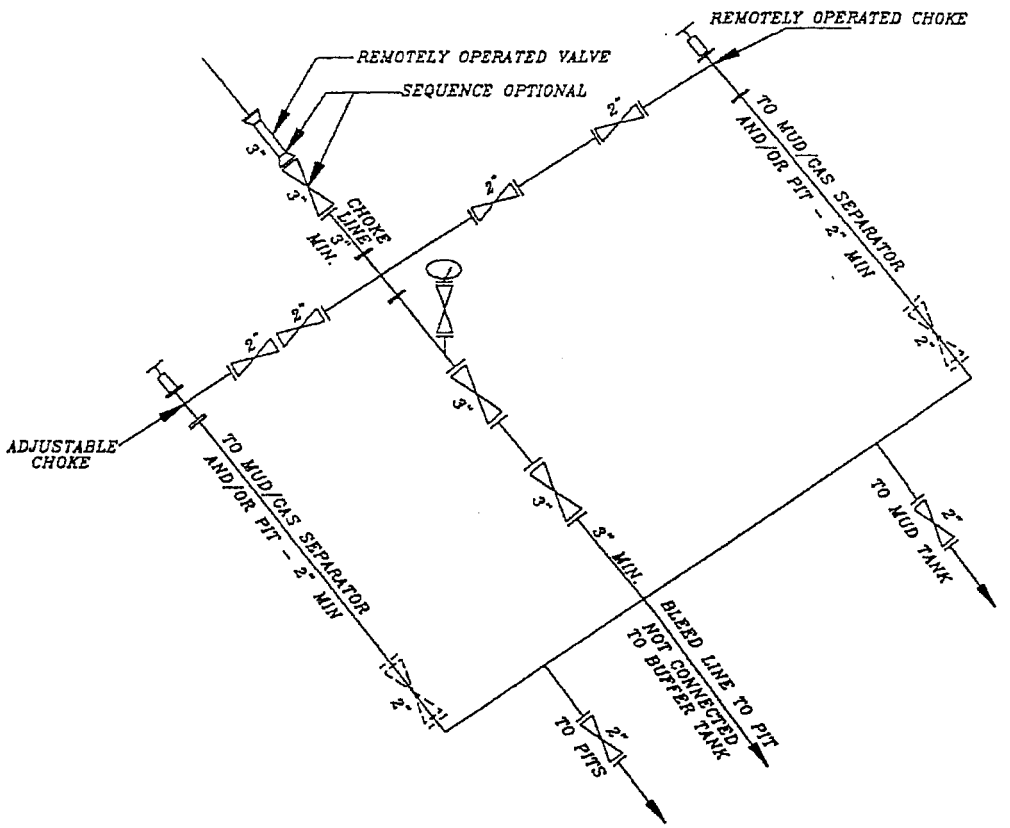
Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ **DATE:** _____
Brad Laney

DRILLING SUPERINTENDENT: _____ **DATE:** _____
Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM





Weatherford

Drilling Services

Proposal

Anadarko KerrMcGee

ANADARKO - KERR McGEE

NBU 922-18J3S

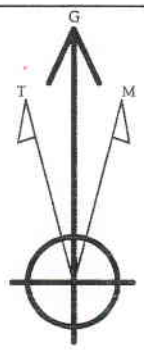
UINTAH COUNTY, UTAH

WELL FILE: PLAN 2

DATE: OCTOBER 4, 2007

Weatherford International, Ltd.
15710 John F. Kennedy Blvd
Houston, Texas 77032 USA
+1.281.260.1300 Main
+1.281.260.4730 Fax
www.weatherford.com

ANADARKO KERR MCGEE OIL & GAS
NBU 922-18J3S
UINTAH COUNTY, UTAH



Azimuths to Grid North
True North: -0.98°
Magnetic North: 10.60°

Magnetic Field
Strength: 52767nT
Dip Angle: 66.02°
Date: 9/21/2007
Model: bggm2006

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	48.59	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	48.59	300.00	0.00	0.00	0.00	48.59	0.00	
3	600.00	3.00	48.59	599.86	5.19	5.89	1.00	48.59	7.85	
4	660.00	3.00	48.59	659.78	7.27	8.24	0.00	0.00	10.99	
5	1260.00	0.00	48.59	1259.51	17.66	20.02	0.50	180.00	26.70	
6	2800.49	0.00	48.59	2800.00	17.66	20.02	0.00	228.59	26.70	
7	3552.49	18.80	48.59	3538.58	98.53	111.73	2.50	0.00	148.97	
8	4538.98	18.80	48.59	4472.44	308.81	350.16	0.00	0.00	466.88	
9	5792.32	0.00	48.59	5703.40	443.60	503.00	1.50	180.00	670.66	
10	9819.81	0.00	48.59	9730.00	443.60	503.00	0.00	0.00	670.66	PBHL

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
18J3S	0.00	0.00	14541582.00	2065419.60	40°01'57.799N	109°28'54.316W	N/A

CASING DETAILS

No.	TVD	MD	Name	Size
1	2700.00	2700.49	9 5/8"	9.62

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	4956.00	5040.06	WASATCH
2	7663.00	7751.91	MESAVERDE

FIELD DETAILS

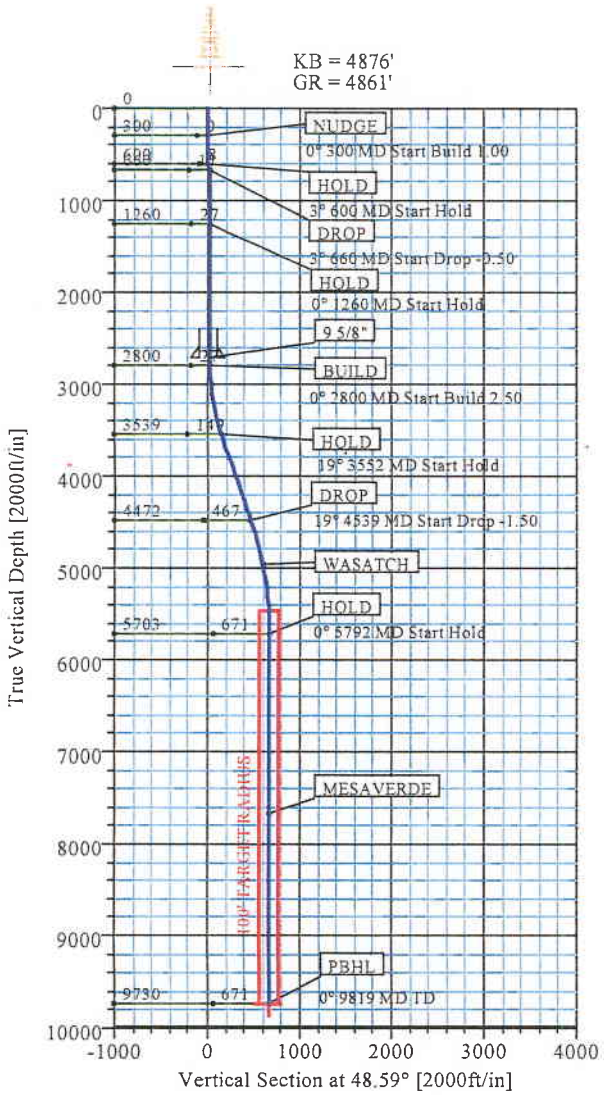
UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

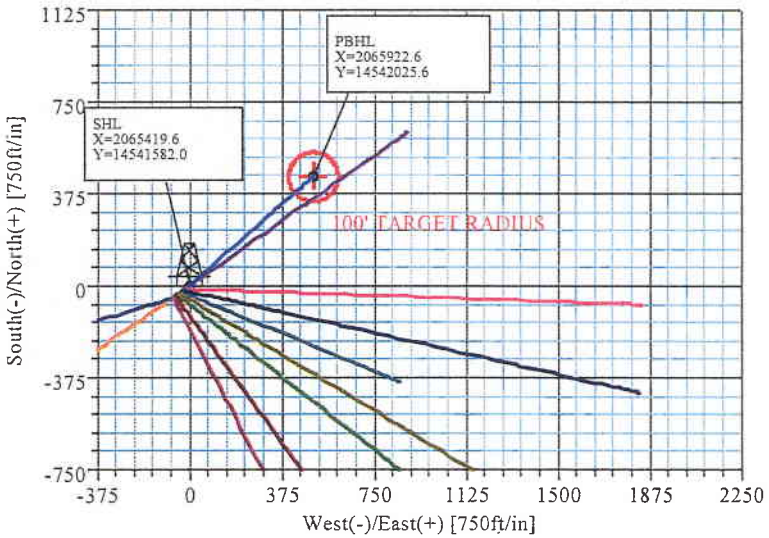
Geodetic System: Universal Transverse Mercator (USfeet)
Ellipsoid: NAD27 (Clarke 1866)
Zone: UTM Zone 12, North 114W to 108W
Magnetic Model: bggm2006

System Datum: Mean Sea Level
Local North: Grid North

LEGEND

- 18I3S (1)
- 18J1S (1)
- 18N2AS (1)
- 18N2S (1)
- 18O1BS (1)
- 18O1CS (1)
- 18O3AS (1)
- 18O3DS (1)
- 18P2S (1)
- 18P3S (1)
- Plan #2





Plan: Plan #2 (18J3S/1)

Created By: R. JOYNER Date: 10/4/2007

Weatherford Drilling Services
DIRECTIONAL PLAN REPORT

Company:	Anadarko-Kerr-McGee	**Date:** 10/4/2007 **Time:** 10:21:45	**Page:** 1
Field:	UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	**Co-ordinate(NE) Reference:**	Site: NBU 922-18J3S PAD IJNOP, Grid Nort
Site:	NBU 922-18J3S PAD IJNOP	**Vertical (TVD) Reference:**	SITE 4876.0
Well:	18J3S	**Section (VS) Reference:**	Well (0.00N,0.00E,48.59Azi)
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature **Db:** Sybase

Plan:	Plan #2	**Date Composed:**	10/4/2007
		Version:	1
Principal:	Yes	**Tied-to:**	From Surface

Field:	UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)		
Map System:	Universal Transverse Mercator (USfeet)	**Map Zone:**	UTM Zone 12, North 114W to 108W
Geo Datum:	NAD27 (Clarke 1866)	**Coordinate System:**	Site Centre
Sys Datum:	Mean Sea Level	**Geomagnetic Model:**	bggm2006

Site:	NBU 922-18J3S PAD IJNOP				
	1453 FSL, 2564 FEL - SEC18 T9S R22E				
Site Position:		**Northing:**	14541582.00 ft	**Latitude:**	40 1 57.799 N
From:	Map	**Easting:**	2065419.60 ft	**Longitude:**	109 28 54.316 W
Position Uncertainty:	0.00 ft			**North Reference:**	Grid
Ground Level:	4861.00 ft			**Grid Convergence:**	0.98 deg

Well:	18J3S				**Slot Name:**	
Well Position:	+N/-S	0.00 ft	**Northing:**	14541582.00 ft	**Latitude:**	40 1 57.799 N
	+E/-W	0.00 ft	**Easting:**	2065419.60 ft	**Longitude:**	109 28 54.316 W
Position Uncertainty:		0.00 ft				

Wellpath:	1			**Drilled From:**	Surface
				Tie-on Depth:	0.00 ft
Current Datum:	SITE		**Height** 4876.00 ft	**Above System Datum:**	Mean Sea Level
Magnetic Data:	9/21/2007			**Declination:**	11.57 deg
Field Strength:	52767 nT			**Mag Dip Angle:**	66.02 deg

Vertical Section:	**Depth From (TVD)** ft	**+N/-S** ft	**+E/-W** ft	**Direction** deg
	0.00	0.00	0.00	48.59

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	48.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	48.59	300.00	0.00	0.00	0.00	0.00	0.00	48.59	
600.00	3.00	48.59	599.86	5.19	5.89	1.00	1.00	0.00	48.59	
660.00	3.00	48.59	659.78	7.27	8.24	0.00	0.00	0.00	0.00	
1260.00	0.00	48.59	1259.51	17.66	20.02	0.50	-0.50	0.00	180.00	
2800.49	0.00	48.59	2800.00	17.66	20.02	0.00	0.00	0.00	228.59	
3552.49	18.80	48.59	3538.58	98.53	111.73	2.50	2.50	0.00	0.00	
4538.98	18.80	48.59	4472.44	308.81	350.16	0.00	0.00	0.00	0.00	
5792.32	0.00	48.59	5703.40	443.60	503.00	1.50	-1.50	0.00	180.00	
9818.91	0.00	48.59	9730.00	443.60	503.00	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
300.00	0.00	48.59	300.00	0.00	0.00	0.00	0.00	14541582.00	2065419.60	NUDGE
400.00	1.00	48.59	399.99	0.58	0.65	0.87	1.00	14541582.58	2065420.25	
500.00	2.00	48.59	499.96	2.31	2.62	3.49	1.00	14541584.31	2065422.22	
600.00	3.00	48.59	599.86	5.19	5.89	7.85	1.00	14541587.19	2065425.49	HOLD
660.00	3.00	48.59	659.78	7.27	8.24	10.99	0.00	14541589.27	2065427.84	DROP
700.00	2.80	48.59	699.73	8.61	9.76	13.02	0.50	14541590.61	2065429.36	
800.00	2.30	48.59	799.63	11.55	13.10	17.47	0.50	14541593.55	2065432.70	
900.00	1.80	48.59	899.57	13.92	15.78	21.04	0.50	14541595.92	2065435.38	
1000.00	1.30	48.59	999.53	15.71	17.81	23.75	0.50	14541597.71	2065437.41	
1100.00	0.80	48.59	1099.51	16.92	19.18	25.58	0.50	14541598.92	2065438.78	
1200.00	0.30	48.59	1199.51	17.55	19.90	26.54	0.50	14541599.55	2065439.50	
1260.00	0.00	48.59	1259.51	17.66	20.02	26.70	0.50	14541599.66	2065439.62	HOLD

Anadarko Kerr-McGee

Weatherford Drilling Services
DIRECTIONAL PLAN REPORT

Weatherford

Company:	Anadarko-Kerr-McGee	**Date:** 10/4/2007	**Time:** 10:21:45	**Page:**	2
Field:	UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	**Co-ordinate(NE) Reference:**	Site: NBU 922-18J3S PAD IJNOP, Grid Nort		
Site:	NBU 922-18J3S PAD IJNOP	**Vertical (TVD) Reference:**	SITE 4876.0		
Well:	18J3S	**Section (VS) Reference:**	Well (0.00N,0.00E,48.59Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
1300.00	0.00	48.59	1299.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
1400.00	0.00	48.59	1399.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
1500.00	0.00	48.59	1499.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
1600.00	0.00	48.59	1599.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
1700.00	0.00	48.59	1699.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
1800.00	0.00	48.59	1799.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
1900.00	0.00	48.59	1899.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
2000.00	0.00	48.59	1999.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
2100.00	0.00	48.59	2099.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
2200.00	0.00	48.59	2199.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
2300.00	0.00	48.59	2299.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
2400.00	0.00	48.59	2399.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
2500.00	0.00	48.59	2499.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
2600.00	0.00	48.59	2599.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
2700.00	0.00	48.59	2699.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
2700.49	0.00	48.59	2700.00	17.66	20.02	26.70	0.00	14541599.66	2065439.62	9 5/8"
2800.00	0.00	48.59	2799.51	17.66	20.02	26.70	0.00	14541599.66	2065439.62	
2800.49	0.00	48.59	2800.00	17.66	20.02	26.70	0.00	14541599.66	2065439.62	BUILD
2900.00	2.49	48.59	2899.48	19.09	21.64	28.86	2.50	14541601.09	2065441.24	
3000.00	4.99	48.59	2999.25	23.40	26.53	35.37	2.50	14541605.40	2065446.13	
3100.00	7.49	48.59	3098.65	30.58	34.68	46.24	2.50	14541612.58	2065454.28	
3200.00	9.99	48.59	3197.49	40.63	46.07	61.43	2.50	14541622.63	2065465.67	
3300.00	12.49	48.59	3295.56	53.52	60.69	80.92	2.50	14541635.52	2065480.29	
3400.00	14.99	48.59	3392.69	69.23	78.50	104.66	2.50	14541651.23	2065498.10	
3500.00	17.49	48.59	3488.70	87.72	99.47	132.62	2.50	14541669.72	2065519.07	
3552.49	18.80	48.59	3538.58	98.53	111.73	148.97	2.50	14541680.53	2065531.33	HOLD
3600.00	18.80	48.59	3583.55	108.66	123.21	164.28	0.00	14541690.66	2065542.81	
3700.00	18.80	48.59	3678.22	129.97	147.38	196.50	0.00	14541711.97	2065566.98	
3800.00	18.80	48.59	3772.88	151.29	171.55	228.73	0.00	14541733.29	2065591.15	
3900.00	18.80	48.59	3867.55	172.61	195.72	260.96	0.00	14541754.61	2065615.32	
4000.00	18.80	48.59	3962.21	193.92	219.89	293.18	0.00	14541775.92	2065639.49	
4100.00	18.80	48.59	4056.88	215.24	244.06	325.41	0.00	14541797.24	2065663.66	
4200.00	18.80	48.59	4151.54	236.55	268.23	357.64	0.00	14541818.55	2065687.83	
4300.00	18.80	48.59	4246.21	257.87	292.40	389.86	0.00	14541839.87	2065712.00	
4400.00	18.80	48.59	4340.87	279.18	316.57	422.09	0.00	14541861.18	2065736.17	
4500.00	18.80	48.59	4435.53	300.50	340.74	454.32	0.00	14541882.50	2065760.34	
4538.95	18.80	48.59	4472.41	308.80	350.15	466.87	0.00	14541890.80	2065769.75	DROP
4538.98	18.80	48.59	4472.44	308.81	350.16	466.88	0.00	14541890.81	2065769.76	
4600.00	17.88	48.59	4530.35	321.51	364.56	486.08	1.50	14541903.51	2065784.16	
4700.00	16.38	48.59	4625.91	341.00	386.66	515.54	1.50	14541923.00	2065806.26	
4800.00	14.88	48.59	4722.21	358.82	406.87	542.49	1.50	14541940.82	2065826.47	
4900.00	13.38	48.59	4819.18	374.97	425.19	566.91	1.50	14541956.97	2065844.79	
5000.00	11.88	48.59	4916.76	389.44	441.59	588.78	1.50	14541971.44	2065861.19	
5040.06	11.28	48.59	4956.00	394.76	447.62	596.83	1.50	14541976.76	2065867.22	WASATCH
5100.00	10.38	48.59	5014.87	402.21	456.07	608.10	1.50	14541984.21	2065875.67	
5200.00	8.88	48.59	5113.46	413.28	468.63	624.83	1.50	14541995.28	2065888.23	
5300.00	7.38	48.59	5212.45	422.64	479.24	638.98	1.50	14542004.64	2065898.84	
5400.00	5.88	48.59	5311.78	430.29	487.90	650.53	1.50	14542012.29	2065907.50	
5500.00	4.38	48.59	5411.37	436.21	494.62	659.48	1.50	14542018.21	2065914.22	
5600.00	2.88	48.59	5511.17	440.40	499.37	665.82	1.50	14542022.40	2065918.97	
5700.00	1.38	48.59	5611.10	442.86	502.16	669.55	1.50	14542024.86	2065921.76	
5792.32	0.00	48.59	5703.40	443.60	503.00	670.66	1.50	14542025.60	2065922.60	HOLD
5800.00	0.00	48.59	5711.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	

Weatherford Drilling Services
DIRECTIONAL PLAN REPORT

Company:	Anadarko-Kerr-McGee	**Date:** 10/4/2007	**Time:** 10:21:45	**Page:**	3
Field:	UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	**Co-ordinate(NE) Reference:**	Site: NBU 922-18J3S PAD IJNOP, Grid Nort		
Site:	NBU 922-18J3S PAD IJNOP	**Vertical (TVD) Reference:**	SITE 4876.0		
Well:	18J3S	**Section (VS) Reference:**	Well (0.00N,0.00E,48.59Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
5900.00	0.00	48.59	5811.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
6000.00	0.00	48.59	5911.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
6100.00	0.00	48.59	6011.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
6200.00	0.00	48.59	6111.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
6300.00	0.00	48.59	6211.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
6400.00	0.00	48.59	6311.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
6500.00	0.00	48.59	6411.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
6600.00	0.00	48.59	6511.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
6700.00	0.00	48.59	6611.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
6800.00	0.00	48.59	6711.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
6900.00	0.00	48.59	6811.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
7000.00	0.00	48.59	6911.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
7100.00	0.00	48.59	7011.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
7200.00	0.00	48.59	7111.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
7300.00	0.00	48.59	7211.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
7400.00	0.00	48.59	7311.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
7500.00	0.00	48.59	7411.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
7600.00	0.00	48.59	7511.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
7700.00	0.00	48.59	7611.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
7751.91	0.00	48.59	7663.00	443.60	503.00	670.66	0.00	14542025.60	2065922.60	MESAVERDE
7800.00	0.00	48.59	7711.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
7900.00	0.00	48.59	7811.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
8000.00	0.00	48.59	7911.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
8100.00	0.00	48.59	8011.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
8200.00	0.00	48.59	8111.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
8300.00	0.00	48.59	8211.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
8400.00	0.00	48.59	8311.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
8500.00	0.00	48.59	8411.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
8600.00	0.00	48.59	8511.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
8700.00	0.00	48.59	8611.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
8800.00	0.00	48.59	8711.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
8900.00	0.00	48.59	8811.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
9000.00	0.00	48.59	8911.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
9100.00	0.00	48.59	9011.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
9200.00	0.00	48.59	9111.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
9300.00	0.00	48.59	9211.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
9400.00	0.00	48.59	9311.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
9500.00	0.00	48.59	9411.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
9600.00	0.00	48.59	9511.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
9700.00	0.00	48.59	9611.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
9800.00	0.00	48.59	9711.09	443.60	503.00	670.66	0.00	14542025.60	2065922.60	
9818.91	0.00	48.59	9730.00	443.60	503.00	670.66	0.00	14542025.60	2065922.60	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<---- Latitude ----> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL -Circle (Radius: 100) -Plan hit target			9730.00	443.60	503.00	14542025.60	2065922.60	40 2 2.098 N	109 28 47.752 W

Weatherford Drilling Services
DIRECTIONAL PLAN REPORT

Company:	Anadarko-Kerr-McGee	**Date:** 10/4/2007	**Time:** 10:21:45	**Page:**	4
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Well:	18J3S	**Section (VS) Reference:**	Well (0.00N,0.00E,48.59Azi)		
Wellpath:	1	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2700.49	2700.00	9.62	12.25	9 5/8"

Annotation

MD ft	TVD ft	
300.00	300.00	NUDGE
600.00	599.86	HOLD
660.00	659.78	DROP
1260.00	1259.51	HOLD
2800.49	2800.00	BUILD
3552.49	3538.58	HOLD
4538.95	4472.41	DROP
5792.32	5703.41	HOLD
9818.91	9730.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5040.06	4956.00	WASATCH		0.00	0.00
7751.91	7663.00	MESAVERDE		0.00	0.00

Weatherford

Weatherford Drilling Services

GeoDec v4.1.130

Report Date:	September 24, 2007
Job Number:	
Customer:	ANADARKO-KERR McGEE
Well Name:	NBU 922-18J3S
API Number:	
Rig Name:	
Location:	UNITAH COUNTY, UTAH
Block:	
Engineer:	R JOYNER

Universal Transverse Mercator	Geodetic Latitude / Longitude
System: Zone 12N (114 W to 108 W)	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: NAD 1927 (NADCON CONUS)	Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866	Ellipsoid: Clarke 1866
North/South 14541582.000 USFT	Latitude 40 1 57.7989226 DMS
East/West 2065419.600 USFT	Longitude -109 28 54.3162031 DMS
Grid Convergence: .97676693°	
Total Correction: +10.5909°	

Geodetic Location WGS84		Elevation = 1482.0 Meters
Latitude =	40.03272° N	40° 1 min 57.799 sec
Longitude =	109.48175° W	109° 28 min 54.316 sec

Magnetic Declination =	+11.5680°	[True North Offset]	
Local Gravity =	.9995 g		
Local Field Strength=	52727 nT	Mag Vector X =	20994 nT
Dip =	66.0200°	Mag Vector Y =	4297 nT
Model File:	bggm2006	Mag Vector Z =	48176 nT
Spud Date:	Sep 24, 2007	Mag Vector H =	21430 nT

Signed:_____ Date:_____

NBU 922-18J3S
NW/SE SEC. 18, T9S, R22E
UINTAH COUNTY, UTAH
UTU-0461

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 0.25 +/- miles of access road is proposed. Please refer to the attached Topo Map B.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

Please see the Natural Buttes Unit SOP.

Approximately 1633' +/- of 8" steel pipeline is proposed from the location to an existing pipeline. Refer to the attached Topo Map D.

Approximately 672' +/- of 4" steel pipeline needs to be re-route around the location. Refer to the attached Topo Map D

Approximately 636'+/- of 4" steel pipeline needs to be re-route around the location. Refer to the attached Topo Map D.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E *(Request is in lieu of filing Form 3160-5, after initial production).*

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

13. **Lessee's or Operator's Representative & Certification:**

Sheila Ucphego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bold #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

11/2/2007
Date

Kerr-McGee Oil & Gas Onshore LP
NBU #922-18J3S, J1S, 13S, P2S, O1BS, P3S, O1CS, O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 47.6 MILES.

orig.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, I3S, P2S, O1BS, P3S, O1CS, O3AS, O3DS, N2S, N2AS, N2CS

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T9S, R22E, S.L.B.&M.

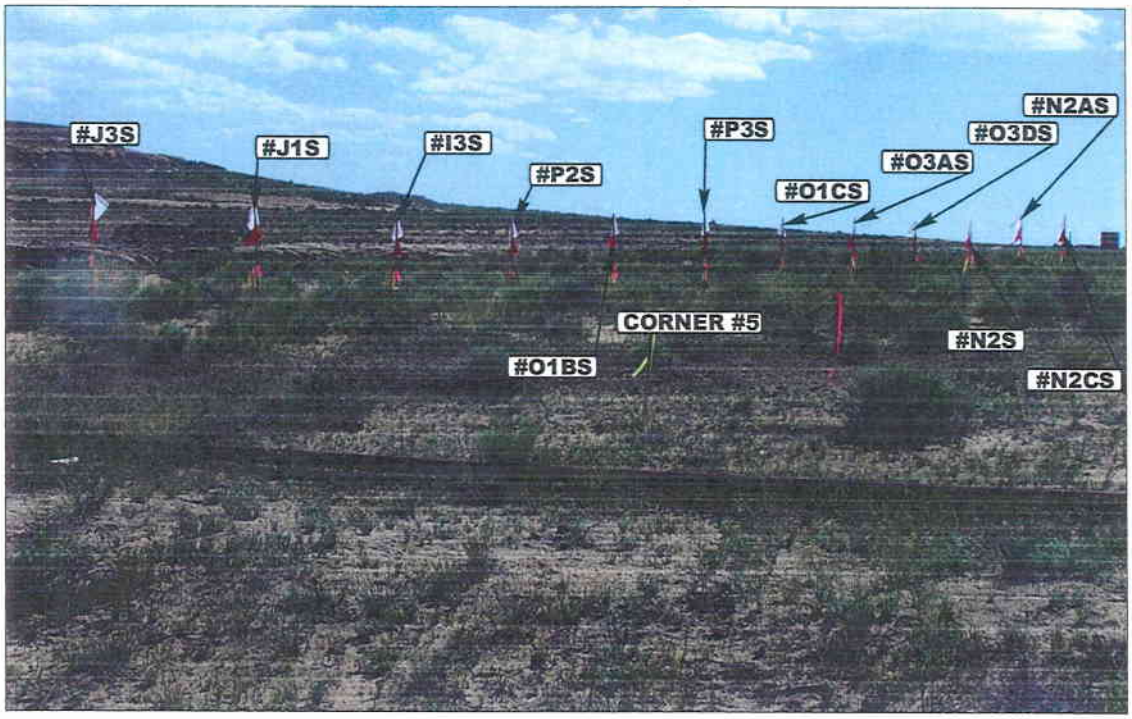
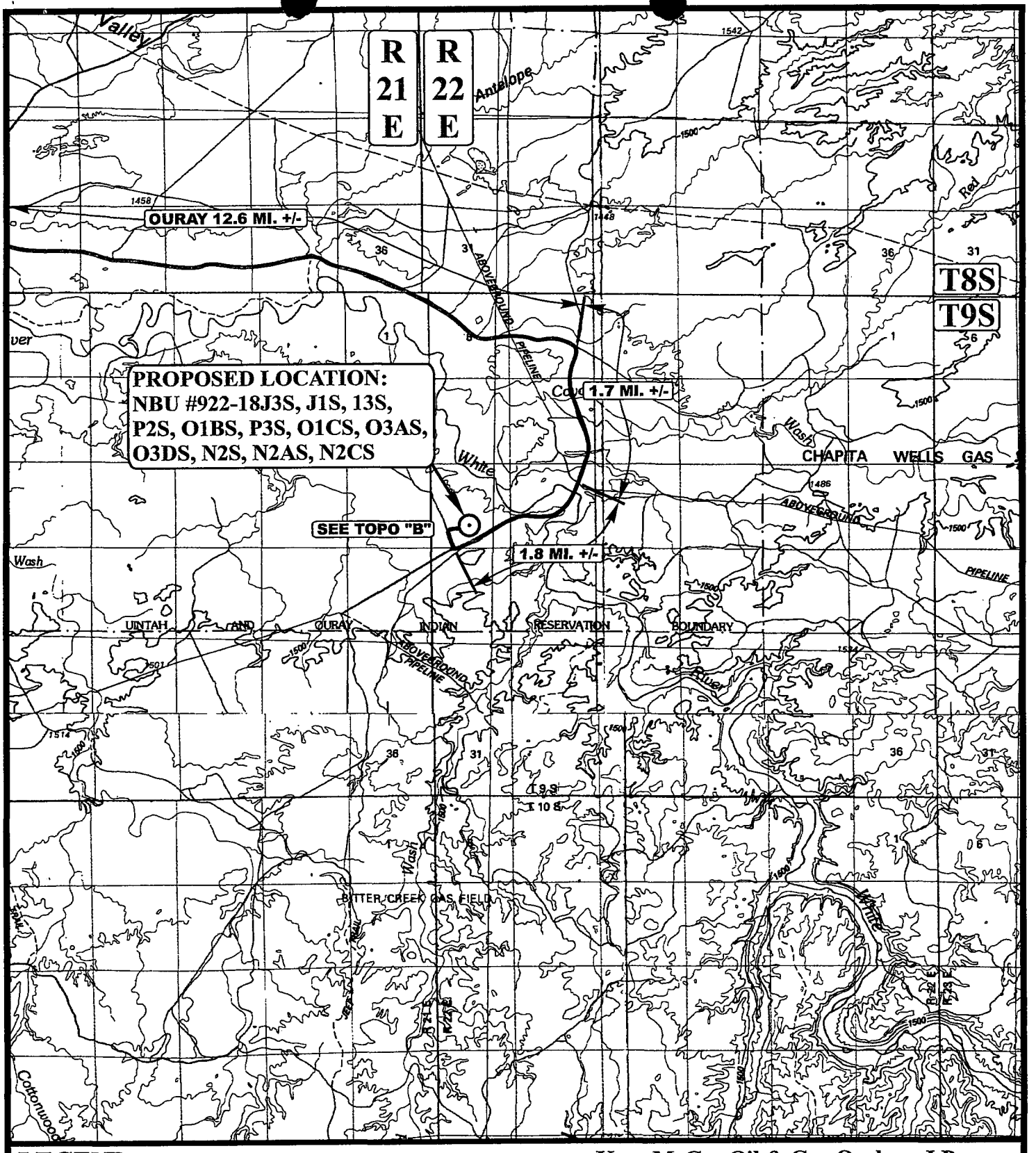


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES **CAMERA ANGLE: SOUTHEASTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	05 MONTH	16 DAY	07 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

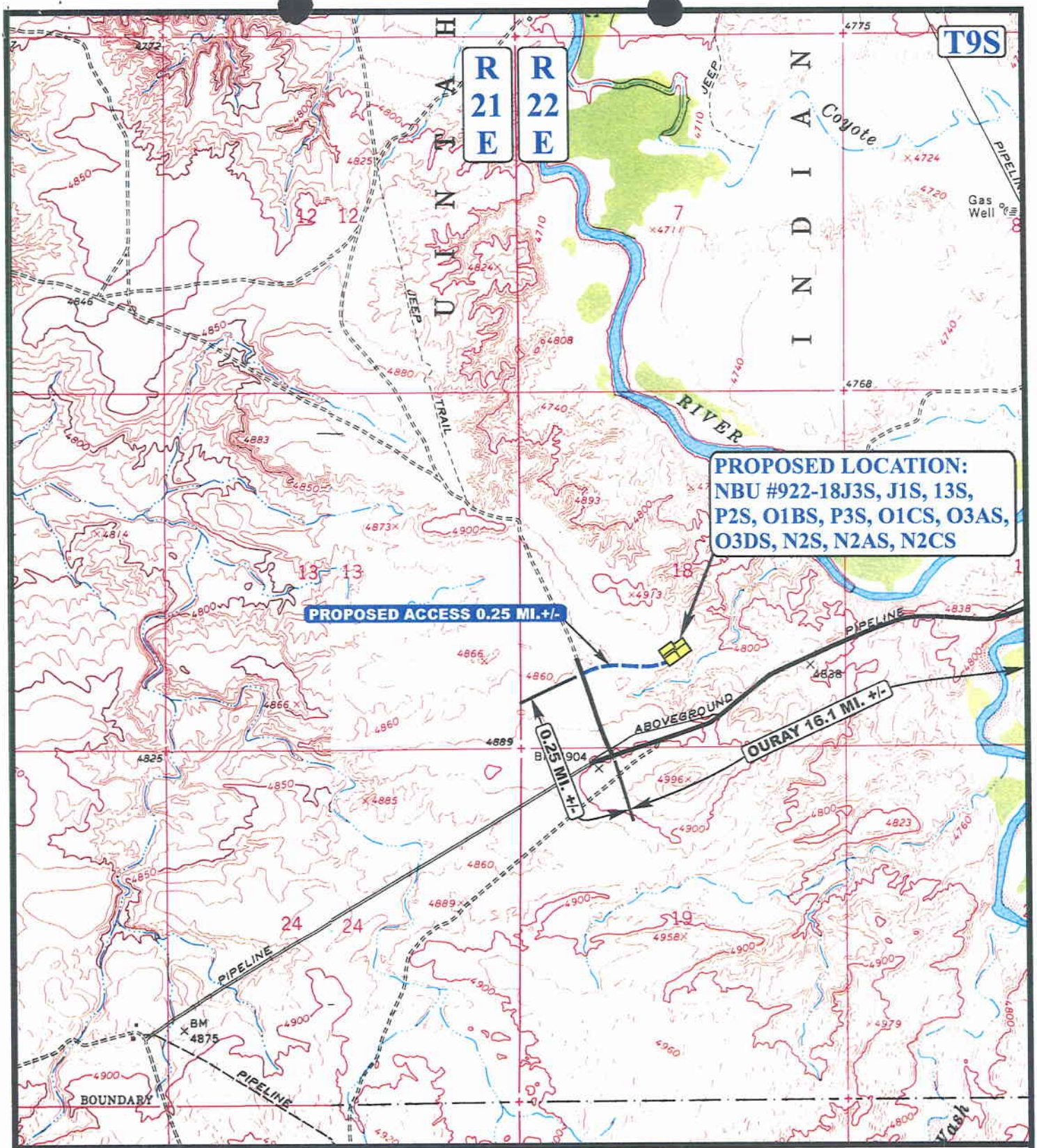
N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, 13S, P2S, O1BS, P3S, O1CS, O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.
S 1/2

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	16 DAY	07 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

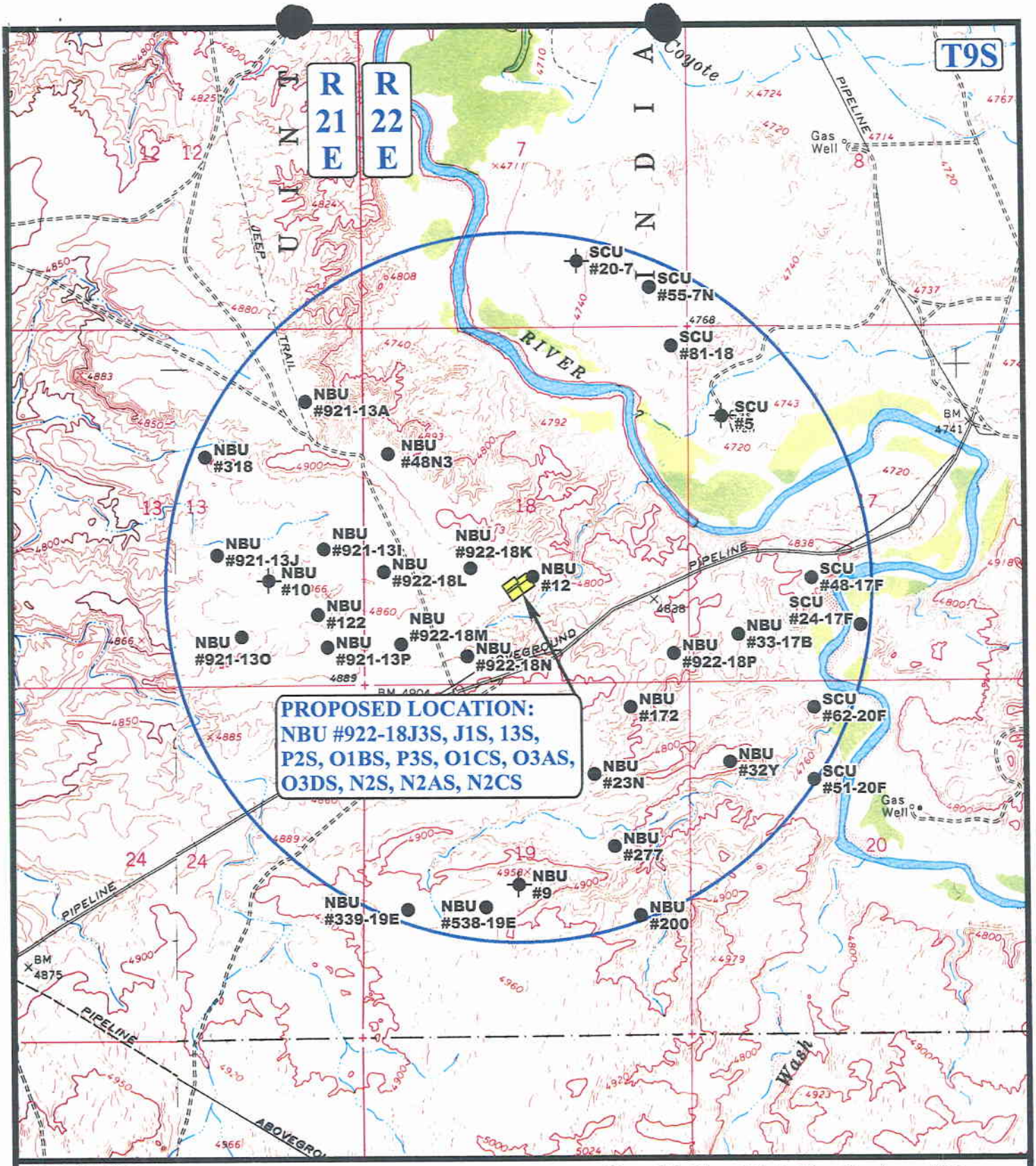
N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, 13S, P2S, O1BS, P3S, O1CS, O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.
S 1/2

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	16 DAY	07 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

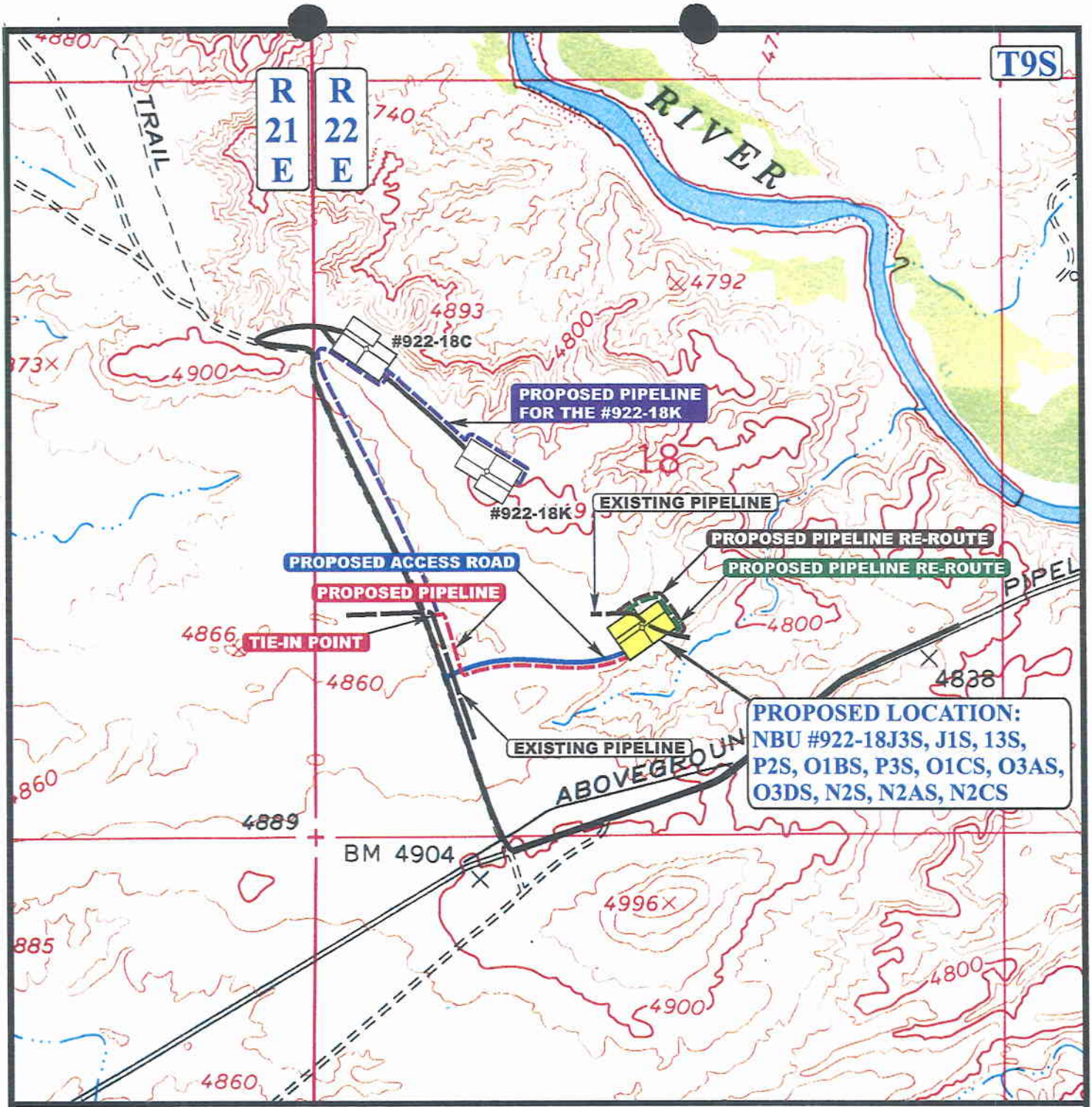
N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, 13S, P2S, O1BS, P3S, O1CS, O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.
S 1/2

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	16 DAY	07 YEAR
SCALE: 1" = 2000'	DRAWN BY: C.P.	REVISED: 00-00-00	C TOPO



APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 672' +/-

APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 636' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 1,633' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE
PROPOSED PIPELINE RE-ROUTE

N

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, 13S, P2S, O1BS, P3S, O1CS, O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.
S 1/2

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	16 DAY	07 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.P.	REVISED: 10-25-07		

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, I3S, P2S, O1BS, P3S, O1CS, O3AS, O3DS, N2S, N2AS, N2CS

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 18, T9S, R22E, S.L.B.&M.

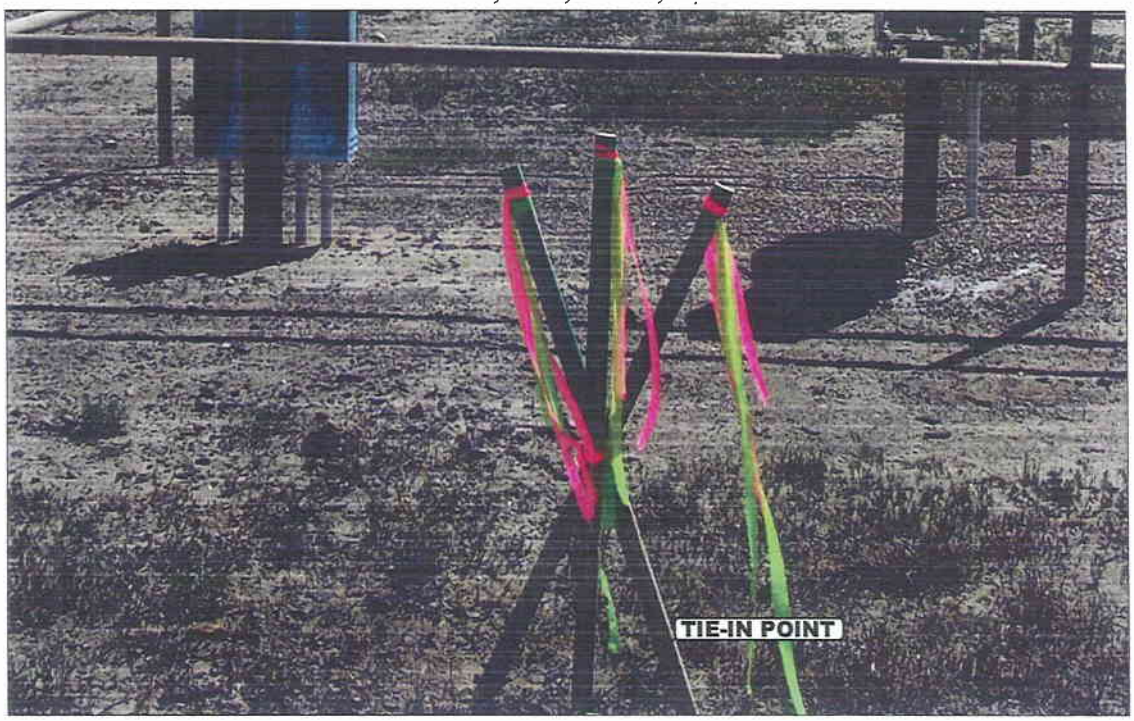


PHOTO: VIEW FROM TIE-IN POINT **CAMERA ANGLE: EASTERLY**

PHOTO: VIEW OF PIPELINE ALIGNMENT **CAMERA ANGLE: EASTERLY**

- Since 1964 -

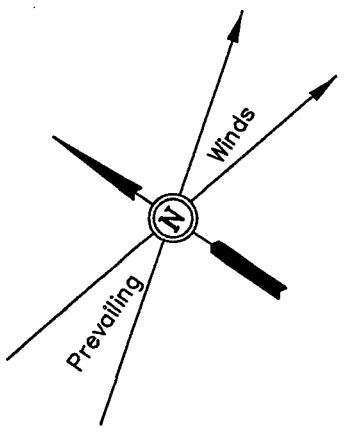
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS	05 MONTH	16 DAY	07 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

LOCATION LAYOUT FOR

NBU #922-18J3S, J1S, I3S, P2S, 01BS, P3S, 01CS
03AS, 03DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.
S 1/2



SCALE: 1" = 50'
DATE: 05-16-07
Drawn By: C.H.
REV: 08-09-07

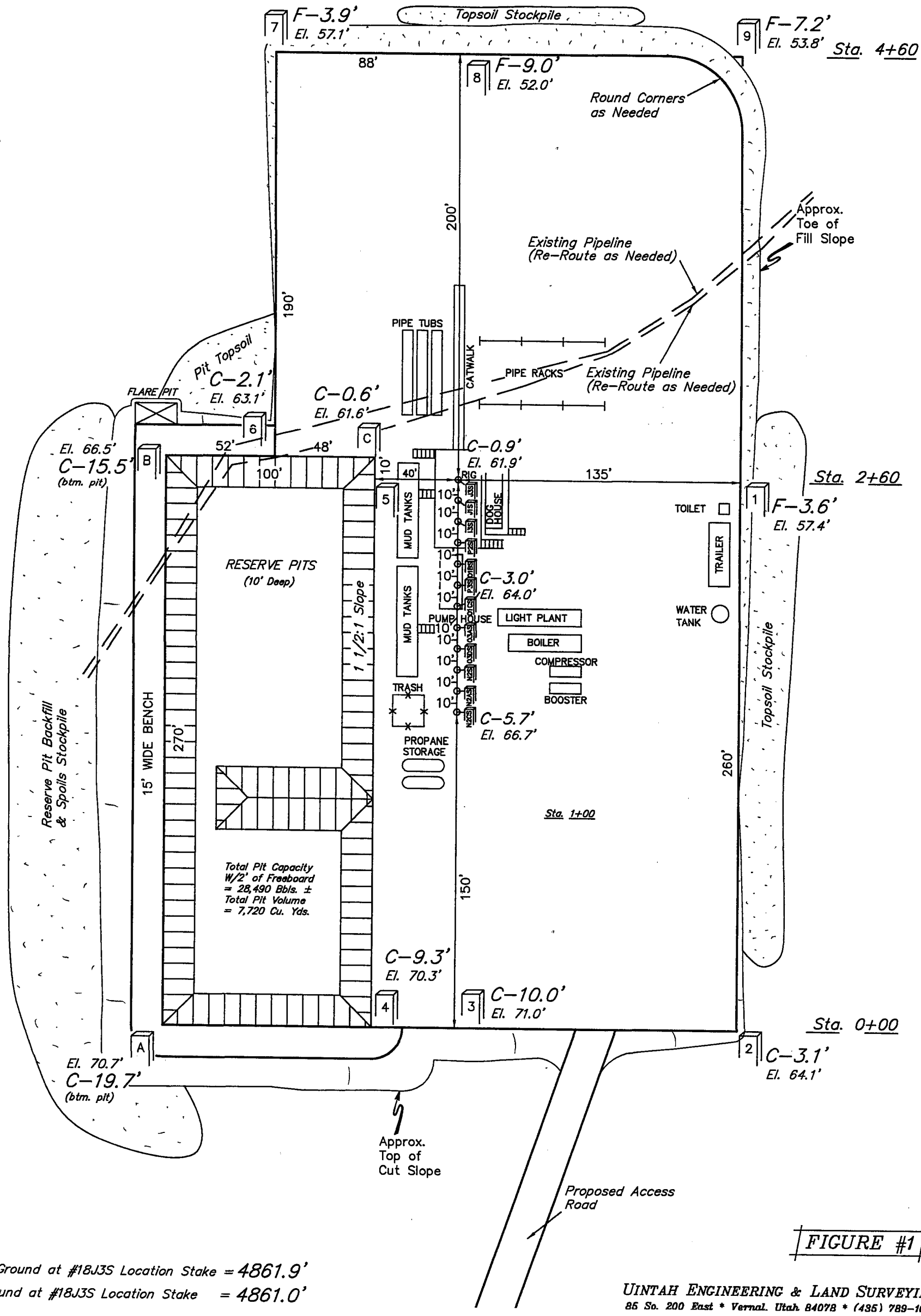


FIGURE #1

Elev. Ungraded Ground at #18J3S Location Stake = 4861.9'
Elev. Graded Ground at #18J3S Location Stake = 4861.0'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

Kerr-McGee Oil & Gas Onshore LP

TYPICAL CROSS SECTIONS FOR

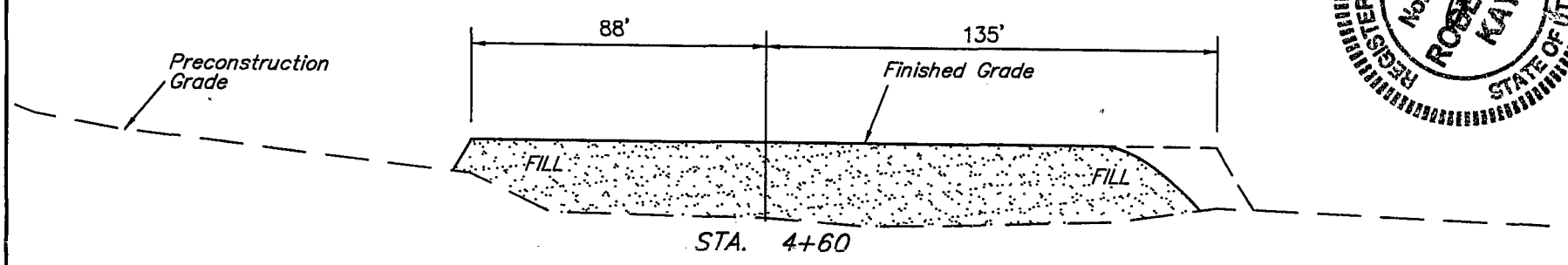
NBU #922-18J3S, J1S, I3S, P2S, 01BS, P3S, 01CS
03AS, 03DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.
S 1/2

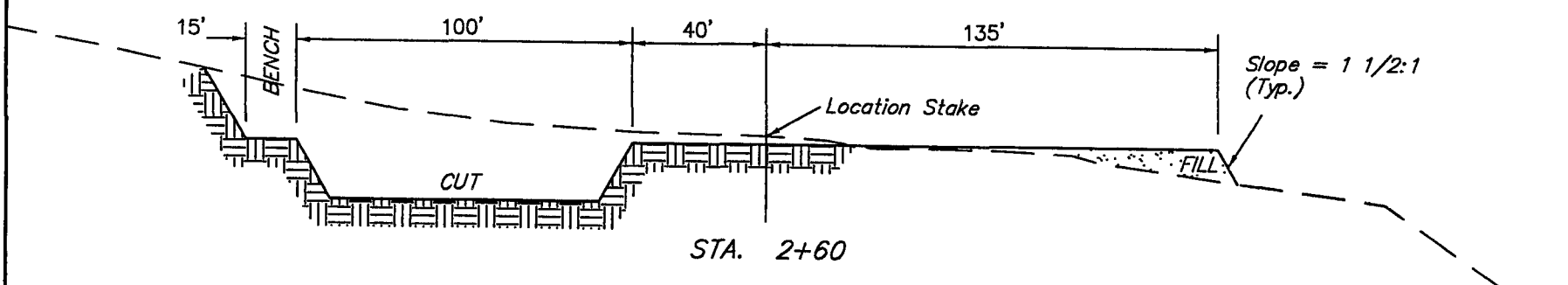
FIGURE #2

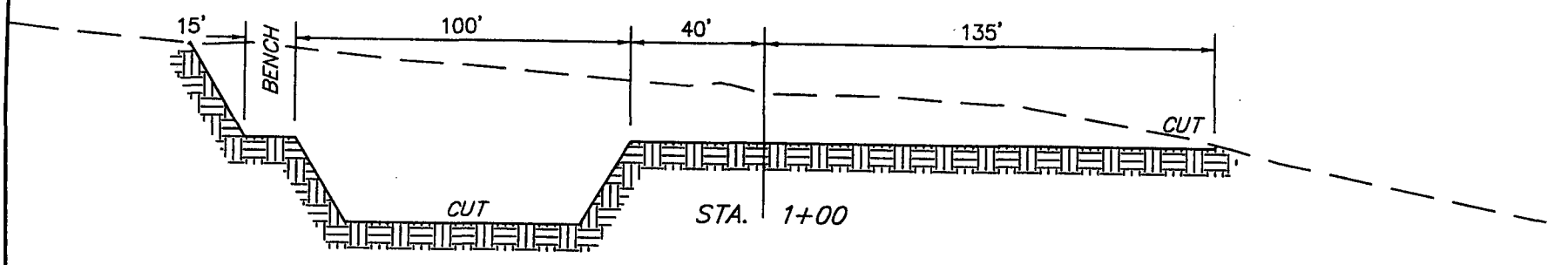
1" = 20'
X-Section Scale
1" = 50'

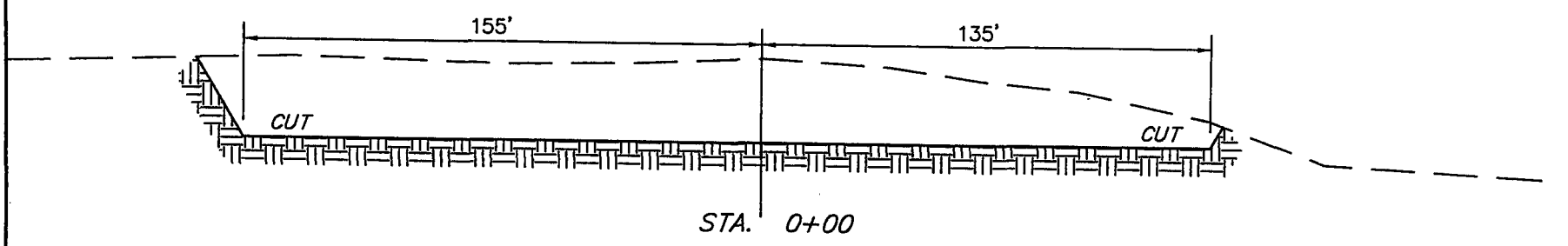
DATE: 05-16-07
Drawn By: C.H.
REV: 08-09-07

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH









NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = *5,320* Cu. Yds.
Remaining Location = *22,710* Cu. Yds.

TOTAL CUT = *28,030* CU.YDS.
FILL = *12,740* CU.YDS.

* *NOTE:*
FILL QUANTITY INCLUDES 5% FOR COMPACTION

EXCESS MATERIAL = *15,290* Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = *9,180* Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = *6,110* Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

Kerr-McGee Oil & Gas Onshore LP

LOCATION LAYOUT FOR

NBU #922-18J3S, J1S, I3S, P2S, O1BS, P3S, O1CS
O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.
S 1/2

SCALE: 1" = 50'
DATE: 05-16-07
Drawn By: C.H.
REV: 08-09-07

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

N49°30'05"E - 672.25'
(TO BOTTOM HOLE)

N55°43'27"E - 1096.64'
(TO BOTTOM HOLE)

S87°13'38"E - 1856.32'
(TO BOTTOM HOLE)

S88°36'41"E - 882.74'
(TO BOTTOM HOLE)

S76°30'55"E - 1896.02'
(TO BOTTOM HOLE)

S57°54'20"E - 2287.50'
(TO BOTTOM HOLE)

S50°41'52"E - 1150.97'
(TO BOTTOM HOLE)

S34°46'47"E - 1151.82'
(TO BOTTOM HOLE)

S26°03'25"E - 1380.91'
(TO BOTTOM HOLE)

S75°30'50"W - 498.93'
(TO BOTTOM HOLE)

S57°58'52"W - 719.29'
(TO BOTTOM HOLE)

S50°46'44"W - 975.67'
(TO BOTTOM HOLE)

FIGURE #3

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/20/2007

API NO. ASSIGNED: 43-047-39842

WELL NAME: NBU 922-18J3S

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NWSE 18 090S 220E

SURFACE: 1453 FSL 2564 FEL

BOTTOM: 1888 FSL 2052 FEL

COUNTY: UINTAH

LATITUDE: 40.03274 LONGITUDE: -109.4817

UTM SURF EASTINGS: 629542 NORTHINGS: 4432285

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0461

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 2 - Indian

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005239)

NA Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-1994

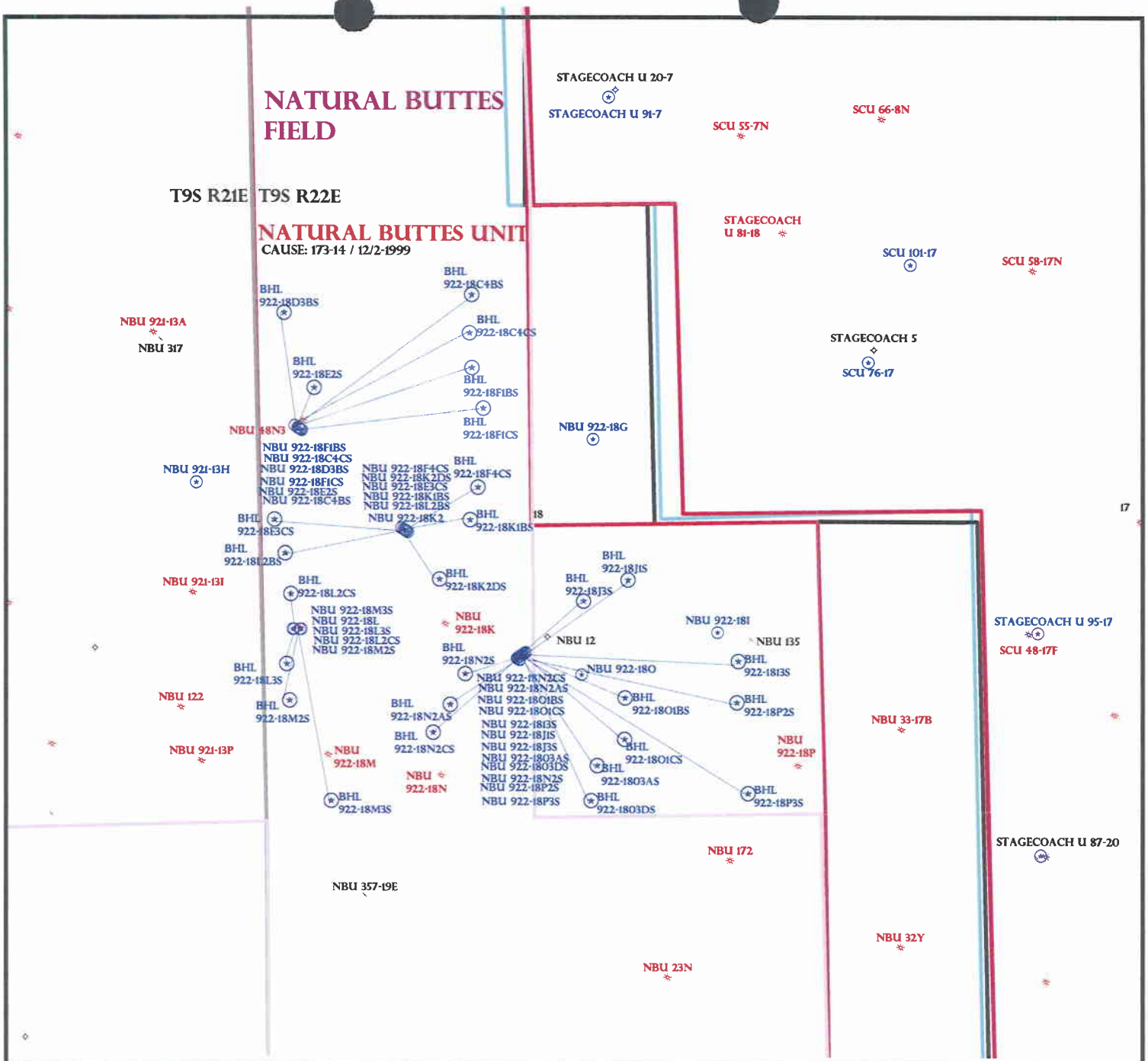
Siting: 460' fr u bdrys & uncomm. Tract

✓ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval

2- Oil Shale



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 18 T.9S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12/2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

UTAH DNR
OIL, GAS & MINING

N
W E
S

PREPARED BY: DIANA MASON
DATE: 29-NOVEMBER-2007

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

November 30, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2007 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39821	NBU 922-18F4CS	Sec 18 T09S R22E 2529 FSL 1248 FWL BHL Sec 18 T09S R22E 2406 FNL 1895 FWL
43-047-39822	NBU 922-18K2DS	Sec 18 T09S R22E 2508 FSL 1282 FWL BHL Sec 18 T09S R22E 2099 FSL 1548 FWL
43-047-39823	NBU 922-18E3CS	Sec 18 T09S R22E 2540 FSL 1231 FWL BHL Sec 18 T09S R22E 2632 FSL 0136 FWL
43-047-39824	NBU 922-18K1BS	Sec 18 T09S R22E 2524 FSL 1256 FWL BHL Sec 18 T09S R22E 2602 FSL 1821 FWL
43-047-39825	NBU 922-18M3S	Sec 18 T09S R22E 1688 FSL 0334 FWL BHL Sec 18 T09S R22E 0203 FSL 0571 FWL
43-047-39826	NBU 922-18L3S	Sec 18 T09S R22E 1689 FSL 0274 FWL BHL Sec 18 T09S R22E 1390 FSL 0214 FWL
43-047-39827	NBU 922-18L2CS	Sec 18 T09S R22E 1687 FSL 0344 FWL BHL Sec 18 T09S R22E 1994 FSL 0262 FWL

43-047-39828 NBU 922-18M2S Sec 18 T09S R22E 1689 FSL 0284 FWL
BHL Sec 18 T09S R22E 1075 FSL 0232 FWL

43-047-39829 NBU 922-18P3S Sec 18 T09S R22E 1424 FSL 2605 FEL
BHL Sec 18 T09S R22E 0203 FSL 0668 FEL

43-047-39830 NBU 922-18P2S Sec 18 T09S R22E 1436 FSL 2588 FEL
BHL Sec 18 T09S R22E 0988 FSL 0745 FEL

43-047-39831 NBU 922-18N2S Sec 18 T09S R22E 1402 FSL 2637 FEL
BHL Sec 18 T09S R22E 1278 FSL 1753 FWL

43-047-39832 NBU 922-18O3DS Sec 18 T09S R22E 1407 FSL 2629 FEL
BHL Sec 18 T09S R22E 0165 FSL 2024 FEL

43-047-39833 NBU 922-18O3AS Sec 18 T09S R22E 1413 FSL 2621 FEL
BHL Sec 18 T09S R22E 0465 FSL 1965 FEL

43-047-39834 NBU 922-18O1CS Sec 18 T09S R22E 1419 FSL 2613 FEL
BHL Sec 18 T09S R22E 0687 FSL 1723 FEL

43-047-39835 NBU 922-18O1BS Sec 18 T09S R22E 1430 FSL 2596 FEL
BHL Sec 18 T09S R22E 1046 FSL 1714 FEL

43-047-39836 NBU 922-18C4BS Sec 18 T09S R22E 1875 FNL 0362 FWL
BHL Sec 18 T09S R22E 0745 FNL 1878 FWL

43-047-39837 NBU 922-18E2S Sec 18 T09S R22E 1870 FNL 0354 FWL
BHL Sec 18 T09S R22E 1529 FNL 0503 FWL

43-047-39838 NBU 922-18F1CS Sec 18 T09S R22E 1892 FNL 0387 FWL
BHL Sec 18 T09S R22E 1724 FNL 1956 FWL

43-047-39839 NBU 922-18N2AS Sec 18 T09S R22E 1396 FSL 2228 FWL
BHL Sec 18 T09S R22E 1016 FSL 1617 FWL

43-047-39840 NBU 922-18L2BS Sec 18 T09S R22E 2513 FSL 1273 FWL
BHL Sec 18 T09S R22E 2344 FSL 0223 FWL

43-047-39841 NBU 922-18D3BS Sec 18 T09S R22E 1853 FNL 0329 FWL
BHL Sec 18 T09S R22E 0877 FNL 0256 FWL

43-047-39842 NBU 922-18J3S Sec 18 T09S R22E 1453 FSL 2564 FEL
BHL Sec 18 T09S R22E 1888 FSL 2052 FEL

43-047-39843 NBU 922-18J1S Sec 18 T09S R22E 1447 FSL 2572 FEL
BHL Sec 18 T09S R22E 2062 FSL 1665 FEL

43-047-39844 NBU 922-18I3S Sec 18 T09S R022E 1442 FSL 2580 FEL
BHL Sec 18 T09S R022E 1346 FSL 0726 FEL

43-047-39845 NBU 922-18C4CS Sec 18 T09S R22E 1881 FNL 0370 FWL
BHL Sec 18 T09S R22E 1075 FNL 1849 FWL

43-047-39846 NBU 922-18F1BS Sec 18 T09S R22E 1886 FNL 0379 FWL
BHL Sec 18 T09S R22E 1375 FNL 1868 FWL

43-047-39847 NBU 922-18N2CS Sec 18 T09S R22E 1390 FSL 2220 FWL
BHL Sec 18 T09S R22E 0775 FSL 1462 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:11-30-07

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

December 3, 2007

Kerr McKee Oil and Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078

Re: NBU 922-18J3S Well, Surface Location 1453' FSL, 2564' FEL, NW SE, Sec. 18, T. 9 South, R. 22 East, Bottom Location 1888' FSL, 2052' FEL, NW SE, Sec. 18, T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39842.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Kerr McKee Oil and Gas Onshore LP

Well Name & Number NBU 922-18J3S

API Number: 43-047-39842

Lease: UTU-0461

Surface Location:	NW SE	**Sec.** 18	**T.** 9 South	**R.** 22 East
Bottom Location:	NW SE	**Sec.** 18	**T.** 9 South	**R.** 22 East

Conditions of Approval

1. **General**

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**

   Notify the Division with 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. **Reporting Requirements**

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

6 In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

RECEIVED
VERNAL FIELD OFFICE
2007 NOV 5 PM 12: 31
BUREAU OF LAND MGMT.

Form 3160-3
(August 1999)

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU-0461

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

1a. Type of Work: [X] DRILL [ ] REENTER

7. If Unit or CA Agreement, Name and No.
UNIT #891008900A

b. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other [ ] Single Zone [X] Multiple Zone

8. Lease Name and Well No.
NBU 922-18J3S

2. Name of Operator
KERR MCGEE OIL AND GAS ONSHORE LP

9. API Well No.
43 047 39842

3A. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. *(include area code)*
(435) 781-7024

10. Field and Pool, or Exploratory
NATURAL BUTTES

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface **NW/SE 1453'FSL, 2564'FEL**
At proposed prod. Zone **NW/SE 1888'FSL, 2052'FEL**

11. Sec., T., R., M., or Blk, and Survey or Area
SEC. 18, T9S, R22E

14. Distance in miles and direction from nearest town or post office*
16.6 +/- MILES FROM OURAY, UTAH

12. County or Parish
UINTAH

13. State
UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
1442'

16. No. of Acres in lease
601.96

17. Spacing Unit dedicated to this well
40.00

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
REFER TO TOPO C

19. Proposed Depth
9818'

20. BLM/BIA Bond No. on file
RLB0005239

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
4861'GL

22. Approximate date work will start*
UPON APPROVAL

23. Estimated duration
TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature
Name *(Printed/Typed)* **SHEILA UPCHEGO**
Date **11/16/2007**

Title
SENIOR LAND ADMIN SPECIALIST

Approved by *(Signature)*
Name *(Printed/Typed)* Jerry Kenczka
Date 3-25-2008

Title **Assistant Field Manager Lands & Mineral Resources**
Office **VERNAL FIELD OFFICE**

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

NOTICE OF APPROVAL **CONDITIONS OF APPROVAL ATTACHED**

RECEIVED
MAR 2 8 2008
DIV. OF OIL, GAS & MINING

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr-McGee Oil & Gas Onshore, LP**	**Location:**	**NWSE, Sec. 18, T9S, R22E**
Well No:	**NBU 922-18J3S**	**Lease No:**	**UTU-0461**
API No:	**43-047-39842**	**Agreement:**	**Natural Buttes Unit**

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:		(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7482
NRS/Enviro Scientist:		(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	(435) 828-4029
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
		Fax: (435) 781-3420	

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify NRS/Enviro Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS/Enviro Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

General Surface COAs

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

Specific Surface COAs

Additional Stipulations:

- Re-route 24 Inch pipeline on location. 2)
- 8-Inch pipeline.

General Conditions of Approval

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.

- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.

- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.

- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.

- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.

- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.

- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.

- Any deviation of submitted APDs and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.

- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.

- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.

- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.

- The personnel from the Ute Tribe Energy & Minerals Department shall be notified shall cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.

- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- Production casing cement shall be brought up and into the surface casing. Production casing minimum cement top is 1800 ft. The minimum cement top is approximately 800 ft above the surface casing shoe.
    - Cmnt Top (TOC) standard will place cmnt behind casing across formation lost circulation zone, Birds Nest Zone.
    - COA specification fulfills operators performance standard stated in APD (where operators toc is calc'd with an excess to reach surface).

- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

- A Gamma Ray well Log shall be run from the well Total Depth to the surface.
    - A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.

- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include

deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Form 3160- 5
(August, 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004- 0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other Instructions on reverse side.*

1. Type of Well
[ ] Oil Well [X] Gas Well [ ] Other

2. Name of Operator
Kerr-McGee Oil & Gas Onshore, LP

3a. Address
P.O. Box 173779, Denver, CO 80217-3779

3b. Phone No. *(include area code)*
720.929.6226

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
NW SE Sec. 18 T 9S R 22E
1482 FSL 2523 FEL

5. Lease Serial No.
UTU-0461

6. If Indian, Allottee, or Tribe Name
Ute Tribe

7. If Unit or CA. Agreement Name and/or No.
UTU-63047A

8. Well Name and No.
NBU 922-18J3S

9. API Well No.
43-047-39842

10. Field and Pool, or Exploratory Area
Natural Buttes

11. County or Parish, State
Uintah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
[ ] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/ Resume)	[ ] Water Shut-off
	[ ] Altering Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[X] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other
	[ ] Change Plans	[ ] Plug and abandon	[ ] Temporarily Abandon	**Surface Location**
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug back	[ ] Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Kerr-McGee Oil & Gas Onshore, LP, respectfully notifies that the center stakes for the surface location have been moved to NWSE 1482' FSL & 2523' FEL. The bottomhole location has not been changed.

Approved by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR
Date: 12.4.2008
Initials: KS

629554X
4432294Y
40.032815
-109.481602

Federal Approval of this Action is Necessary

Date: 12-01-08
By:

14. I hereby certify that the foregoing is true and correct.

Name *(Printed/ Typed)*	Title
Kevin McIntyre	Regulatory Analyst
Signature	Date
	11/12/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

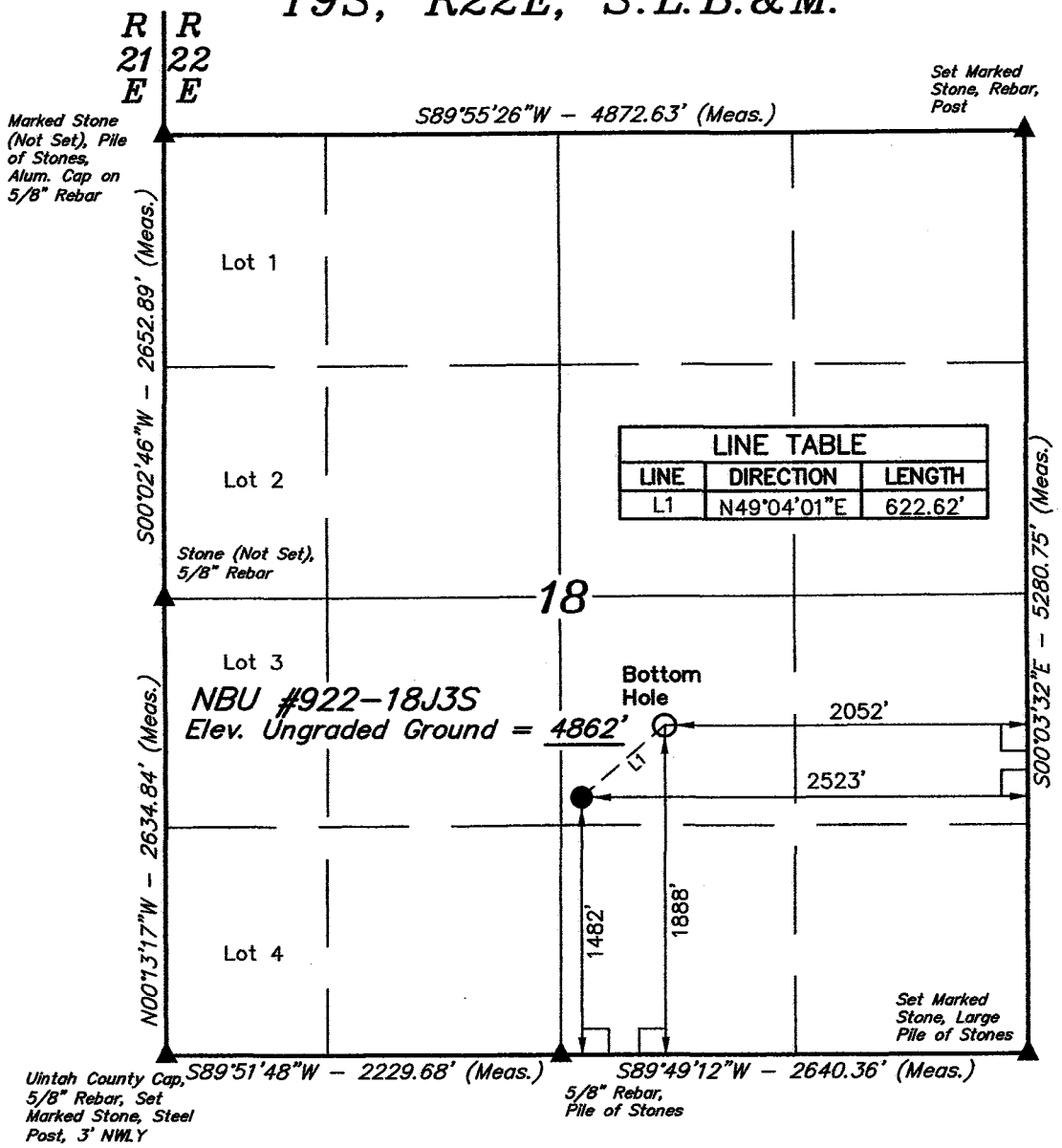
Approved by	Title	Date
Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
NOV 17 2008
DIV. OF OIL, GAS & MINING

T9S, R22E, S.L.B.&M.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N49°04'01"E	622.62'

Kerr-McGee Oil & Gas Onshore LP

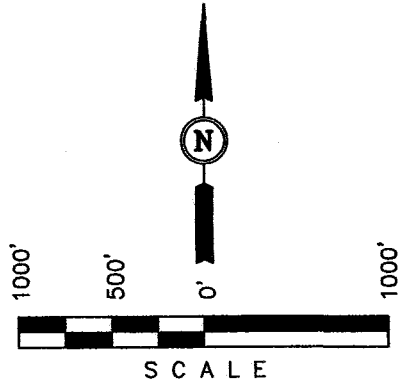
Well location, NBU #922-18J3S, located as shown in the NW 1/4 SE 1/4 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 11-03-08

LEGEND:

- = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°02'02.16" (40.033933)	LATITUDE = 40°01'58.13" (40.032814)
LONGITUDE = 109°28'50.30" (109.480639)	LONGITUDE = 109°28'56.35" (109.482319)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 40°02'02.28" (40.033967)	LATITUDE = 40°01'58.25" (40.032847)
LONGITUDE = 109°28'47.83" (109.479953)	LONGITUDE = 109°28'53.88" (109.481633)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	05-07-07	05-16-07
PARTY	**REFERENCES**	
D.K. L.K. C.H.	G.L.O. PLAT	
WEATHER	**FILE**	
WARM	Kerr-McGee Oil & Gas Onshore LP	

KerrMcGee

Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

November 24, 2008

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11
NBU 922-18J3S
T9S-R22E
Section 18: NWSE
Surface: 1482' FSL, 2523' FEL
Bottom Hole: 1888' FSL, 2052' FEL
Uintah County, Utah

Dear Mrs. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 922-18J3S is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

Jason K. Rayburn
Landman

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **KERR-McGEE OIL & GAS ONSHORE, L.P.**

Well Name: **NBU 922-18J3S**

Api No: **43-047-39842** Lease Type: **FEDERAL**

Section **18** Township **09S** Range **22E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **BUCKET**

SPUDDED:

Date **12/13/2008**

Time **10:30 AM**

How **DRY**

Drilling will Commence:

Reported by **LEW WELDON**

Telephone # **(435) 828-7035**

Date **12/15/08** **Signed** **CHD**

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – Other instructions on page 2.

5. Lease Serial No.
UTU-0461

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit of CA/Agreement, Name and/or No.
UNIT #891008900A

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.
NBU 922-18J3S

2. Name of Operator
KERR McGEE OIL & GAS ONSHORE LP

9. API Well No.
4304739842

3a. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. *(include area code)*
435.781.7024

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
SURFACE HOLE: NW/SE SEC. 18, T9S, R22E 1453'FSL, 2564'FEL
BOTTOM HOLE: NW/SE SEC. 18, T9S, R22E 1888'FSL, 2062'FEL

11. Country or Parish, State
UINTAH COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other WELL SPUD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 12/13/2008 AT 1030 HRS.

RECEIVED
DEC 18 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 12/15/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739843	NBU 922-18J1S		NWSE	18	9S,	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	12/14/2008			12/30/08	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 12/14/2008 AT 2200 HRS. BHL = NWSE

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739842	NBU 922-18J3S		NWSE	18	9S,	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	12/14/2008			12/30/08	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 12/14/2008 AT 1030 HRS. BHL = NWSE

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739847	NBU 922-18N2CS		NESW	18	9S,	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	12/13/2008			12/30/08	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 12/13/2008 AT 1200 HRS. BHL = SESW

ACTION CODES:
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO
Name (Please Print)
Signature
SENIOR LAND SPECIALIST
Title
12/15/2008
Date

RECEIVED
DEC 17 2008
DIV. OF OIL, GAS & MINING

(5/2000)

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE – *Other instructions on page 2.*

5. Lease Serial No.
UTU-0461

6. If Indian, Allottee or Tribe Name
TRIBAL SURFACE

7. If Unit of CA/Agreement, Name and/or No.
UNIT #891008900A

1. Type of Well
☐ Oil Well ☑ Gas Well ☐ Other

8. Well Name and No.
NBU 922-18J3S

2. Name of Operator
KERR McGEE OIL & GAS ONSHORE LP

9. API Well No.
4304739842

3a. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. *(include area code)*
435.781.7024

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
SURFACE HOLE: NW/SE SEC. 18, T9S, R22E 1453'FSL, 2564'FEL
BOTTOM HOLE: NW/SE SEC. 18, T9S, R22E 1888'FSL, 2052'FEL

11. Country or Parish, State
UINTAH COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☑ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other SET SURFACE CSG
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

MIRU PROPETRO AIR RIG ON 01/12/2009. DRILLED 12 1/4" SURFACE HOLE TO 2880'. RAN 9 5/8" 36# J-55 SURFACE CSG, LEAD CMT W/270 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS NO CMT TO SURFACE 600 PSI LIFT LAND PLUG FLOATS HELD. RAN 200' OF 1" PIPE. CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE NO RETURNS TO SURFACE WOC. TOP OUT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

14. I hereby certify that the foregoing is true and correct.
Name *(Printed/Typed)*
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 01/19/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

RECEIVED
JAN 21 2009
DIV. OF OIL, GAS & MINING

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

API Well No: 43047398420000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0461

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-18J3S

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047398420000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1482 FSL 2523 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 18 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 7/14/2009	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2880' TO 9875' ON 07/12/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/630 SX PREM LITE II @11.7 PPG 2.50 YIELD. TAILED CMT W/1260 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/152 BBLS H2O + ADDITIVES GOOD RETURNS THROUGH JOB LIFT PRESSURE @2500 PSI BUMP PLUG W/3000 PSI HELD 5 MIN W/NO LOSS PLUG DOWN @1130 HRS. W/5 BBLS CMT TO PIT FLOATS HELD W/1.5 BBLS BACK TO INVENTORY L/D LANDING JT SET PACK OFF TO 5K. NIPPLE DOWN BOP ROT HEAD SPACER SPOOLS FMC DRILL ADAPTER CLEAN MUD TANKS. RELEASED H&P 298 ON 07/14/2009 AT 1600 HRS.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

July 23, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 7/22/2009

RECEIVED July 22, 2009

API Well No: 43047398420000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0461

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-18J3S

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047398420000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1482 FSL 2523 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 18 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 9/30/2009	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 09/30/2009 AT 9:00 A.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
October 01, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 10/1/2009

RECEIVED October 01, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009	
Project: UTAH-UINTAH	Site: NBU 922-18J PAD		Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 1/12/2009		End Date: 7/14/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/12/2009	12:00 - 0:00	12.00	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD @ 1200 HR 1/12/09 DA AT REPORT TIME 840'
1/13/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1360'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1890'
1/14/2009	0:00 - 6:00	6.00	DRLSUR	02		P		DRILL TO 1950' WITH HAMMER PREPAIR FOR TRIP
	6:00 - 12:00	6.00	DRLSUR	06		P		TRIP FOR TRICONE RIH AND SURVEY .75 DEG @ 1950'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH PROPETRO CEMENT @ 10 BBL PER MIN. NO RETURNS TO PIT 2150'
1/15/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH PROPETRO CEMENT 10 BBL PER MIN. WITH 5 BBL RETURNS 2350' RUN SURVEY .5 DEG.
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH PROPETRO CEMENT 10 BBL PRE MIN. EITH + - 5 BBL RETURNS 2500'
1/16/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH PROPETRO CEMENT AT 10 BBL PER MIN FULL RETURNS 2675'
	12:00 - 18:00	6.00	DRLSUR	02		P		RIG DRILLED TO 2820' LOST 13,000 LB TWIST OFF COLLARS PREPAIR TO TOOH
	18:00 - 22:00	4.00	DRLSUR	06	G	Z		TRIP DP OUT OF HOLE LOST ALL OF THE 8" COLLARS
	22:00 - 0:00	2.00	DRLSUR	06		Z		RIH WITH FISHING TOOLS AT REPORT TIME
1/17/2009	0:00 - 1:00	1.00	DRLSUR	19	A	Z		RETRIVE FISH AND PREPAIR TO LDDS AND FISH
	1:00 - 4:00	3.00	DRLSUR	06	G	Z		TRIP DP OUT OF HOLE LAY DOWN FISH
	4:00 - 7:00	3.00	DRLSUR	06		P		TRIP IN HOLE W/ TRICONE
	7:00 - 11:00	4.00	DRLSUR	02		P		RIG T/D @ 2880' CONDITION HOLE 1 HR RUN SURVEY .75 DEG.
	11:00 - 15:00	4.00	DRLSUR	06		P		TRIP DP OUT OF HOLE
	15:00 - 19:30	4.50	DRLSUR	12		P		RUN 2830' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
	19:30 - 20:30	1.00	DRLSUR	12		P		CEMENT 1ST STAGW WITH 270 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS NO CEMENT TO SURFACE 600 PSI LIFT LAND PLUG FLOATS HELD
	20:30 - 21:00	0.50	DRLSUR	12		P		1ST TOP JOB 100 SKS DOWN 1" PIPE NO RETURNS TO SURFACE WOC
	21:00 - 23:00	2.00	DRLSUR	12		P		2ND TOP JOB 150 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	23:00 - 23:00	0.00	DRLSUR					NO VISIBLE LEAKS PIT 50% FULL WORT
7/2/2009	15:00 - 17:00	2.00	MIRU	01	C	P		RIG DOWN / SKID RIG / RIG UP
	17:00 - 17:30	0.50	PRPSPD	14	A	P		NIPPLE UP B.O.P.E. & RELATED EQUIPMENT

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 1/12/2009	End Date: 7/14/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	17:30 - 22:30	5.00	PRPSPD	15	A	P		PRESSURE TEST PIPE RAMS, BLIND RAMS, IBOP, FLOOR VALVE, KILL LINES & KILL LINE VALVES, BOP WING VALVES , HCR VALVE + CHOKE LINE; INNER AND OUTER CHOKE VALVES & MANIFOLD TO 250 PSI LOW @ 5 MINUTES + 5000 PSI HIGH @ 10 MINUTES / TEST ANNULAR TO 250 PSI LOW @ 5 MINUTES + 2500 PSI HIGH @ 10 MINUTES / TEST SUPER CHOKE + SURFACE CASING TO 1500 PSI @ 30 MINUTES - MAKE REPAIRS AS NEEDED / FUNCTION TEST CLOSING UNIT - PASSED
	22:30 - 23:00	0.50	PRPSPD	14	B	P		INSTALL WEAR BUSHING / TEST PUMPS / LINES & TOP DRIVE TO 2500 PSI / VISUAL EQIPMENT INSPECTION
	23:00 - 0:00	1.00	MIRU	14	B			PICK UP .22 R.P.G. MOTOR & SET BEND TO 2.12 DEG / MAKE UP BIT / INSTALL & ORIENTATE M.W.D. TOOLS & SURFACE TEST / CHANGE OUT EMITTER SUB
7/3/2009	0:00 - 1:30	1.50	PRPSPD	06	A	P		T.I.H. W/ B.H.A. #1 / INSTALL ROTATING HEAD RUBBER / TAG CEMENT @ 2774'
	1:30 - 3:30	2.00	PRPSPD	02	F	P		DRILL FLOAT TRAC F/ 2774' - T/ 2888'
	3:30 - 6:00	2.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 2888' – T/ 3050' = 162' @ 64.8 FPH / H2O + POLYMER / WOB 15/18 / RPM TOP DRV 25-30 / MTR 99 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 1250-1040 / TQ ON/OFF 4K/1K / PU/SO/ROT 106/95/100 / H2O + POLY / SLID 39' IN 55 MINUTES = 24% OF FOOTAGE & 45% OF HRS DRILLED (START KICK OFF @ 2967') / SCIENTIFIC DRILLING CONDUCTING RANGING OPERATIONS FOR COLLISION AVOIDANCE / 10' SURVEYS
	6:00 - 14:00	8.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 3050' – T/ 3378' = 328' @ 41 FPH / H2O + POLYMER / WOB 16/20 / RPM TOP DRV 35-45 / MTR 99 RPM / PUMP SPM 100 = 450GPM / SPP ON/OFF 1190-1060 / TQ ON/OFF 6K/3K / PU/SO/ROT 116/99/108 / H2O + POLY / SLIDE 71' IN 2.5 HRS = 22% OF FOOTAGE & 31% OF HRS DRILLED / SCIENTIFIC DRILLING CONDUCTING RANGING OPERATIONS FOR COLLISION AVOIDANCE / FULL 10' - 30' SURVEYS
	14:00 - 14:30	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / INSPECT DRAG CHAIN / VISUAL INSPECTION ON B.O.P.E.
	14:30 - 0:00	9.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 3378' – T/ 3764' = 386' @ 40.63 FPH / H2O + POLYMER / WOB 18/20 / RPM TOP DRV 25-30 / MTR 100 RPM / PUMP SPM 101 = 454 GPM / SPP ON/OFF 1568-1220 / TQ ON/OFF 6K/2K / PU/SO/ROT 119/102/110 / H2O + POLY / SLID 133' IN 5.42 HRS = 34.4% OF FOOTAGE & 57% OF HRS DRILLED / SCIENTIFIC DRILLING CONDUCTING RANGING OPERATIONS FOR COLLISION AVOIDANCE / FULL 10' - 30' SURVEYS
7/4/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 3764' – T/ 4008' = 244' @ 40.66 FPH / H2O + POLYMER / WOB 18/20 / RPM TOP DRV 25-28 / MTR 100 RPM / PUMP SPM 101 = 455 GPM / SPP ON/OFF 1540-1220 / TQ ON/OFF 7K/2K / PU/SO/ROT 121/102/110 / H2O + POLY W/ WEIGHTED SWEEPS / SLIDE 92' IN 3.08 HRS = 38% OF FOOTAGE & 51.3% OF HRS DRILLED / SCIENTIFIC DRILLING CONDUCTING RANGING OPERATIONS FOR COLLISION AVOIDANCE /10' - 30' SURVEYS DEPENDING ON MAGNETIC INTERFERENCE

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 1/12/2009	End Date: 7/14/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 10:00	4.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 4008' – T/ 4166' = 158' @ 39.5 FPH / H2O + POLYMER / WOB 18/20 / RPM TOP DRV 35-38 / MTR 100 RPM / PUMP SPM 101 = 455 GPM / SPP ON/OFF 1390-1200 / TQ ON/OFF 7K/3K / PU/SO/ROT 130/108/117 / H2O + POLY W/ WEIGHRTED SWEEPS / SLIDE 64' IN 1.75 HRS = 40% OF FOOTAGE & 43.7% OF HRS DRILLED / SCIENTIFIC DRILLING CONDUCTING RANGING OPERATIONS FOR COLLISION AVOIDANCE / 30' SURVEYS DEPENDING ON MAGNETIC INTERFERENCE
	10:00 - 10:30	0.50	DRLPRO	05	C	P		CIRCULATE & CONDITION HOLE FOR B.H.A. TRIP / PUMP 10 BBL PILL
	10:30 - 12:30	2.00	DRLPRO	06	A	P		P.O.O.H. T/ 2800' / SPOT 45 BBLS 9.9 PPG MUD / P.O.O.H. FOR B.H.A. CHANGE
	12:30 - 13:00	0.50	DRLPRO	06	A	P		CHANGE BEND IN MOTOR TO 1.83 DEG / CHECK BIT / WORK ANNULAR, BLIND RAMS & PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.
	13:00 - 14:00	1.00	DRLPRO	06	A	P		T.I.H. TO 2900' / BREAK CIRCULATION
	14:00 - 14:30	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT
	14:30 - 15:00	0.50	DRLPRO	06	A	P		T.I.H. TO 4166' W/ NO FILL
	15:00 - 18:00	3.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 4166' – T/ 4323' = 157' @ 52.33 FPH / H2O + POLYMER / WOB 18/20 / RPM TOP DRV 35-38 / MTR 100 RPM / PUMP SPM 101 = 455 GPM / SPP ON/OFF 1370-1150 / TQ ON/OFF 7K/2K / PU/SO/ROT 133/110/118 / H2O + POLY W/ WEIGHTED SWEEPS / SLIDE 50' IN 1.25 HRS = 31.8% OF FOOTAGE & 41.6% OF HRS DRILLED
	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 4323' – T/ 4537' = 214' @ 35.66 FPH / H2O + POLYMER / WOB 18/20 / RPM TOP DRV 35-38 / MTR 100 RPM / PUMP SPM 101 = 455 GPM / SPP ON/OFF 1300-1160 / TQ ON/OFF 6K/3K / PU/SO/ROT 135/111/122 / H2O + POLY W/ WEIGHTED SWEEPS / SLIDE 166' IN 4.5 HRS = 77.5% OF FOOTAGE & 75% OF HRS DRILLED
7/5/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 4537' – T/ 4861' = 324' @ 54.0 FPH / H2O + POLYMER W/ WEIGHTED SWEEPS / WOB 18/20 / RPM TOP DRV 30-35 / MTR 101 RPM / PUMP SPM 101 = 455 GPM / SPP ON/OFF 1315-1195 / TQ ON/OFF 7K/2K / PU/SO/ROT 136/110/123 / H2O + POLY / SLIDE 73' IN 1.75 HRS = 22.5% OF FOOTAGE & 29% OF HRS DRILLED / 5'-10' INTERMITTENT FLARE WHILE DRILLING
	6:00 - 16:00	10.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 4861' – T/ 5554' = 693' @ 69.3 FPH / H2O + POLYMER W/ WEIGHTED SWEEPS / WOB 18/20 / RPM TOP DRV 40-45 / MTR 101 RPM / PUMP SPM 101 = 455 GPM / SPP ON/OFF 1550-1240 / TQ ON/OFF 8K/3K / PU/SO/ROT 166/124/138 / H2O + POLY / SLIDE 50' IN 2.0 HRS = 7.2% OF FOOTAGE & 20% OF HRS DRILLED / 5'-10' INTERMITTENT FLARE WHILE DRILLING
	16:00 - 16:30	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECT B.O.P.E.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 1/12/2009	End Date: 7/14/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	16:30 - 0:00	7.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 5554' – T/ 6055' = 501' @ 66.8 FPH / H2O + POLYMER W/ WEIGHTED SWEEPS / WOB 18/20 / RPM TOP DRV 40-45 / MTR 101 RPM / PUMP SPM 101 = 455 GPM / SPP ON/OFF 1576-1344 / TQ ON/OFF 9K/4K / PU/SO/ROT 175/128/142 / H2O + POLY / SLIDE 65' IN .67 HRS. = 13% OF FOOTAGE & 8.9% OF HRS DRILLED / 5'-10' INTERMITTENT FLARE WHILE DRILLING
7/6/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 6055' – T/ 6490' = 435' @ 72.5 FPH / H2O + POLYMER W/ WEIGHTED SWEEPS / WOB 18-20 / RPM TOP DRV 40-45 / MTR 99 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 1592-1352 / TQ ON/OFF 9K/6K / PU/SO/ROT 176/133/152 / H2O + POLY / SLIDE 14' IN .67 HRS = 3.2% OF FOOTAGE & 11.1% OF HRS DRILLED / 5'-10' INTERMITTENT FLARE WHILE DRILLING
	6:00 - 17:30	11.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 6490' – T/ 6973' = 483' @ 42 FPH / WOB 14-22 / RPM TOP DRV 40-50 / MTR 103 RPM / PUMP SPM 104 = 468 GPM / SPP ON/OFF 1750-1450 / TQ ON/OFF 10K/6K / PU/SO/ROT 196/138/161 /34 VIS - 9.6 ppg / SLIDE 29' IN 1.75 HRS = 6.0% OF FOOTAGE & 15.2% OF HRS DRILLED / FLUSH HOLE W/ FRESH WATER & START MUD UP @ 6600' / TRANSFERED 600 BBLS OF CONDITIONED WHOLE MUD FROM STORAGE TO ACTIVE SYSTEM
	17:30 - 18:00	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.
	18:00 - 19:30	1.50	DRLPRO	02	D	P		DRILL (ROTATE) F/ 6973' – T/ 7035' = 62' @ 62 FPH / WOB 16-18 / RPM TOP DRV 40-50 / MTR 103 RPM / PUMP SPM 104 = 468 GPM / SPP ON/OFF 1710-1450 / TQ ON/OFF 10K/5K / PU/SO/ROT 196/138/161 /36 VIS - 9.7 ppg / ROTATING = 100% OF FOOTAGE DRIILLED
	19:30 - 0:00	4.50	DRLPRO	08	A	Z		TOP DRIVE SHUT DOWN / ELECTRICIANS & MECHANICS CALLED IN FROM GRAND JUNCTION, CO.FOR REPAIRS / REDUCE PUMP TO 50 SPM (225 GPM) & RECIPROCATE PIPE
7/7/2009	0:00 - 1:30	1.50	DRLPRO	08	A	Z		WORK ON TOP DRIVE SYSTEM
	1:30 - 2:00	0.50	DRLPRO	02	D	P		DRILL (ROTATE) F/ 7035' – T/ 7068' = 33' @ 66 FPH / WOB 16-18 / RPM TOP DRV 45 / MTR 103 RPM / PUMP SPM 104 = 468 GPM / SPP ON/OFF 1710-1450 / TQ ON/OFF 10K/5K / PU/SO/ROT 196/138/161 /36 VIS - 9.7 ppg / ROTATING = 100% OF FOOTAGE DRILLED
	2:00 - 6:00	4.00	DRLPRO	08	A	Z		WORK ON TOP DRIVE SYSTEM / ENCODER + ISOLATION BARRIER
	6:00 - 16:00	10.00	DRLPRO	02	D	P		DRILL (ROTATE) F/ 7068' – T/ 7445' = 377' @ 37.7 FPH / WOB 20-23 / RPM TOP DRV 35-45 / MTR 103 RPM / PUMP SPM 104 = 468 GPM / SPP ON/OFF 1950-1750 / TQ ON/OFF 10K/8K / PU/SO/ROT 215/142/164 /36 VIS - 9.7 ppg / ROTATING = 100% OF FOOTAGE DRILLED
	16:00 - 16:30	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 1/12/2009	End Date: 7/14/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	16:30 - 0:00	7.50	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 7445' – T/ 7663' = 218' @ 29 FPH / WOB 20-23 / RPM TOP DRV 45-50 / MTR 99 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 1890-1750 / TQ ON/OFF 10K/7K / PU/SO/ROT 215/145/165 /36 VIS - 9.7 ppg / SLIDE 22' IN 1.75 HRS = 10.1% OF FOOTAGE & 23.3% OF HRS DRILLED
7/8/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 7663' – T/ 7849' = 186' @ 31 FPH / WOB 20-23 / RPM TOP DRV 45-50 / MTR 99 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 1890-1750 / TQ ON/OFF 10K/7K / PU/SO/ROT 215/145/165 /36 VIS - 9.7 ppg / SLIDE 17' IN 1.0 HRS = 9.1% OF FOOTAGE & 16.7% OF HRS DRILLED
	6:00 - 15:00	9.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 7849' – T/ 8201' = 352' @ 39.1 FPH / WOB 20-23 / RPM TOP DRV 45-50 / MTR 99 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 2000-1800 / TQ ON/OFF 11K/8K / PU/SO/ROT 220/150/174 /37 VIS - 10.4 ppg / SLIDE 17' IN 1.0 HRS = 5.5% OF FOOTAGE & 9% OF HRS DRILLED
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE/ WORK PIPE RAMS
	15:30 - 0:00	8.50	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/8201' – T/8450' = 249' @29.2 FPH / WOB 20-23 / RPM TOP DRV 45-50 / MTR 99 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 2100-1830 / TQ ON/OFF 11K/8K / PU/SO/ROT 225/145/179 /37 VIS - 10.4 ppg / SLIDE 47' IN 3.25 HRS = 20% OF FOOTAGE & 36% OF HRS DRILLED
7/9/2009	0:00 - 5:30	5.50	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 8450' – T/ 8562' = 112' @ 20.3 FPH / WOB 20-23 / RPM TOP DRV 45-50 / MTR 99 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 20541923 / TQ ON/OFF 13K/11K / PU/SO/ROT 220/145/179 /37 VIS – 10.4 ppg / SLIDE 16' IN 1.75 HRS = 7% OF FOOTAGE & 31% OF HRS DRILLED
	5:30 - 6:00	0.50	DRLPRO	05	C	P		CCH,PUMP SWEEP AROUND,F/ TRIP M MTR
	6:00 - 10:00	4.00	DRLPRO	06	H	Z		PUMP SLUG ,POOH,,FUNCTION TEST BOP'S
	10:00 - 11:00	1.00	DRLPRO	06	A	P		LD / MWD,,BREAK BIT LD/ .22 MUD MTR,PU .I6 ,MAKE UP BIT,ADJ MTR TO 1.83 BEND, ORIENT DIRECTIONAL TOOLS,SURFACE TEST MWD
	11:00 - 12:00	1.00	DRLPRO	06	A	P		TIH TO CSG SHOE,INSTALL ROTATING HEAD RUBBER.
	12:00 - 12:30	0.50	DRLPRO	07	A	P		FILL PIPE WHILE SERVICING RIG,UNABLE TO CIRC,PRESSURED UP
	12:30 - 16:00	3.50	DRLPRO	06	A	X		POOH, WET,,FOUND LCM ON FLOAT TOP OF M MTR & IN ,EMITTER SUB,CLEARED PLUG & CIRC THRU BHA
	16:00 - 19:30	3.50	DRLPRO	06	A	P		TIH TO CSG SHOE,INSTALL ROTATING HEAD BREAK CIRC,CIH BREAK CIRC @ 5700,CIH TO 8500'
	19:30 - 20:00	0.50	DRLPRO	03	D	P		W & R 60' TO BTM 2' FILL,50 BBL MUD LOSS ON TRIP
	20:00 - 0:00	4.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 8562' – T/ 8686' = 124' @ 31 FPH / WOB 16-21 / RPM TOP DRV 40-50 / MTR 75 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 20541960 / TQ ON/OFF 13K/11K / PU/SO/ROT 250/165/180 /39 VIS – 10.6 ppg / SLIDE 31 IN 2 HRS = 38% OF FOOTAGE &50% OF HRS DRILLED

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 1/12/2009	End Date: 7/14/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/10/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/ 8686' – T/ 8790' = 103' @ 25.7 FPH / WOB 18-22 / RPM TOP DRV 45-50 / MTR 76 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2250/1950 / TQ ON/OFF 13K/11K / PU/SO/ROT 250/160/180 /39 VIS – 10.6 ppg / SLIDE 21' IN 2.5 HRS = 21% OF FOOTAGE & 37% OF HRS DRILLED
	6:00 - 15:00	9.00	DRLPRO	02	D	P		DRILL (ROTATE/SLIDE) F/8790' – T/ 8897' = 107 @ 11.8 FPH / WOB 14-24 / RPM TOP DRV 30-60 / MTR 76 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2300/2000 / TQ ON/OFF 15K/11K / PU/SO/ROT 265/152/184 /39 VIS – 10.8 ppg / SLIDE 45' IN 4.75 HRS = 45% OF FOOTAGE & 55% OF HRS DRILLED
	15:00 - 0:00	9.00	DRLPRO	02	D	P		
7/11/2009	0:00 - 1:00	1.00	DRLPRO	05	C	P		CCH,CIRC OUT SWEEP,MIX SLUG /F BIT TRIP
	1:00 - 5:00	4.00	DRLPRO	06	A	P		TOH,STRAIGHT PULL 5 STDS (40-110K OVER)PUMP SLUG,TOH TO CSG SHOE ,CHECK F/ FLOW,PULL ROTATING RUBBER,TOH
	5:00 - 6:00	1.00	DRLPRO	06	A	P		BREAK BIT,L/D .16 DIRECTIONAL M MTR ADJ TO 1.83,PU .16 STRAIGHT M MTR,DUE TO HARD FORMATION,(SLIDING CONDITIONS)MAKE UP BIT,SURFACE TEST MWD & M MTR.
	6:00 - 7:00	1.00	DRLPRO	06	A	P		TIH TO CSG SHOE BREAK CIRC,
	7:00 - 8:00	1.00	DRLPRO	09	A	P		CUT & SLIP DRILL LINE
	8:00 - 11:00	3.00	DRLPRO	06	A	P		TIH, BREAK CIRC @ 5800',CIH,CLEAN OUT BRIDGE @ 8340,-8345,CIH TO 8960'
	11:00 - 11:30	0.50	DRLPRO	03	D	P		W & R F/8960-9010 15' FILL
	11:30 - 15:30	4.00	DRLPRO	02	D	P		DRILL F/9010' – T/9152 = 142 @ 35.5 FPH / WOB 14-18 / RPM TOP DRV 45 / MTR 76 RPM / PUMP SPM 105 = 472 GPM / SPP ON/OFF 2350/2100 / TQ ON/OFF 15K/10K / PU/SO/ROT 265/155/189 /39 VIS – 11.0 ppg
	15:30 - 16:00	0.50	DRLPRO	07	A	P		RIG SERVICE,WORK PIPE RAMS
	16:00 - 0:00	8.00	DRLPRO	02	D	P		DRILL F/9152' – T/9439 = 142 @ 35.5 FPH / WOB 14-18 / RPM TOP DRV 45 / MTR 76 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 2130/1963 / TQ ON/OFF 14K/12K / PU/SO/ROT 265/155/189 /41 VIS – 11.2 ppg BYPASS SHAKERS @ 9350' LCM TO 5% LOST 125 BBLS MUD.
7/12/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL F/ 9439 – T/ 9650' = 211' @ 35.1 FPH / WOB 14-18 / RPM TOP DRV 40-50 / MTR 72 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 2230/1950 / TQ ON/OFF 13K/10K / PU/SO/ROT 268/155/190 /40 VIS – 11.3 ppg LCM 18% LOST 50 BBLSMUD
	6:00 - 15:00	9.00	DRLPRO	02	D	P		DRILL F/ 9650 – T/ 9875' TD= 225' @25 FPH / WOB 16-22 / RPM TOP DRV 40-50 / MTR 72 RPM / PUMP SPM 100 = 450 GPM / SPP ON/OFF 2230/1950 / TQ ON/OFF 13K/10K / PU/SO/ROT 268/155/190 /40 VIS – 11.6 ppg LCM 20% LOST 95 BBLS
	15:00 - 16:30	1.50	DRLPRO	05	F	P		CCH F/ WIPER TRIP,PUMP SWEEP MW 11.7 VIS 41 LCM 15%
	16:30 - 21:30	5.00	DRLPRO	06	E	P		PUMP & ROTATE TO 8832,50-90 OVER,STRAIGHT PULL TO 7845' PULLED 100K OVER,BACK BEAM 7845-7842 ,TOH WORK THRU TIGHT SPOT @ 6626,60K OVER,TOH TO 2850'
	21:30 - 0:00	2.50	DRLPRO	06	E	P		TIH, CLEAN OUT TIGHT SPOTS@ 7845 @ 8342 & 9344, CIH TO 9805'

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 1/12/2009	End Date: 7/14/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/13/2009	0:00 - 0:30	0.50	DRLPRO	03	D	P		W & R 9805-9875 TD 15' FILL,8 BBL MUD LOSS ON TRIP
	0:30 - 2:30	2.00	DRLPRO	05	A	P		CCH,TO LDDS,SM RU LD MACHINE, MUD WT TO11.8 VIS 43 LCM 12%,TRIP GAS 5396 U, 5' FLARE
	2:30 - 4:00	1.50	DRLPRO	06	B	P		TOH PUMP & ROTATE OUT TO 9026 30-70 OVER, STRAIGHT PULL TO 7750' 40-75 OVER
	4:00 - 5:00	1.00	DRLPRO	05	C			CIRC ,FINISH RU LD MACH,PUMP SLUG
	5:00 - 13:30	8.50	DRLPRO	06	B	P		LDDS TO BHA,RUN 26 STDS IN HOLE,LDDP & BHA,PULL WEAR BUSHING
	13:30 - 20:00	6.50	DRLPRO	11	G	P		SM RIG UP HALCO,RUN TRIPLE COMBO F/ 9862" TO SURFACE,RD SAME
	20:00 - 22:00	2.00	DRLPRO	12	A	P		HSM W/ WESTATES CASERS & RIG CREW RU AIR TOOLS & EQUIPMENT + FILL & CIRC TOOLS + 18' BAILS
	22:00 - 0:00	2.00	DRLPRO	12	C	P		RUN 3 JTS P-110 #11.6 LT&C 4.5 CASING + 65 JTS I-80 #11.6 LT&C 4.5 CASING + F.C. TOOLS / BREAKING CIRCULATION @ SELECTED INTERVALS CURRENTLY @ CSG SHOE 2850'
7/14/2009	0:00 - 7:30	7.50	DRLPRO	12	C	P		RUN 3 JTS P-110 #11.6 LT&C 4.5 CASING + 231 JTS I-80 #11.6 LT&C 4.5 CASING + F.C. TOOLS / BREAKING CIRCULATION @ SELECTED INTERVALS, LANDED @ 9869' FC @ 9833'
	7:30 - 9:00	1.50	DRLPRO	05	D	P		CIRC CSG, HSM RU UP BJ
	9:00 - 12:00	3.00	DRLPRO	12	E	P		TEST PUMPS & LINES TO 4k PSI / PUMP 40 BBLS H2O + 630 SX LEAD CEMENT @ 11.7 ppg (PREM LITE II + .05lbs/sx STATIC FREE + .25 pps CELLOFLAKE + 5 pps KOL SEAL + 8% bwoc BENTONITE + .2% bwoc SODIUM METASILICATE + 136.2% FRESH WATER / (14.21 gal/sx, 2.50 yield) + 1260 SX TAIL @ 14.3 ppg (CLS G 50/50 POZ) + 10% SALT + .05lbs/sx STATIC FREE + .2% R3 + .002 GPS FP-6L + 2% BENTONITE + 58.6% H2O / (5.90 gal/sx, 1.31 yield) / DROP PLUG & DISPLACE W/ 152 BBLS H2O + ADDITIVES / GOOD RETURNS THROUGH JOB / LIFT PRESSURE @ 2500 PSI (CALC TOP OF TAIL @ 3420' / BUMP PLUG W/ 3000 PSI - HOLD 5 MINUTES W/ NO LOSS / PLUG DOWN @ 11:30 HOURS W/ 5 BBLS CEMENT TO PIT / FLOATS HELD W/ 1.5 BBLS BACK TO INVENTORY,R/ D CMT EQUIP
	12:00 - 13:00	1.00	DRLPRO	14	B	P		L/D LANDING JT,SET PACKOFF & TEST TO 5K
	13:00 - 16:00	3.00	DRLPRO	14	A	P		NIPPLE DOWN BOPE,ROT HEAD/SPACER SPOOLS/ FMC DRILL ADAPTER,CLEAN MUD TANKS,RELEASE RIG @ 1600 HRS 7/14/2009 TO NBU 922-18D3BS

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008 Spud Date: 1/12/2009	
Project: UTAH-UINTAH	Site: NBU 922-18J PAD	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/23/2009	End Date: 9/28/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/19/2009	7:00 - 15:00	8.00	COMP	36	B	P		HSM. STG 1)PU 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE.
9/21/2009	7:00 - 7:10	0.17	COMP	48		P		HSM. STG 1) 9:40 AM, OPEN WELL 1030#. BEG PUMP, BRK @ 5037# @ 5.3 BPM. SD ISIP 2550# FG .69. BEG FRAC. EST INJT RT @ 47.8 BPM @ 6077# = 62% OPEN. PUMP 39,112# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2830# FG .72. SWI. FRAC CREW X-OVER T/ GREEN WELL. ((WHILE PUMP STG #1, PUMP #6 MOTOR BLEW UP. STARTED ON FIRE. SD PUMPING. CONTOL FIRE W/ FIRE EXT. NO BODY GOT HURT. MADE SURE FIRE WAS OUT COMPLETELY. FINISH FRAC.)) STG 2)PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 9554' P/U PERF F/ 9520'-24', 4 SPF, 16 HOLES. 9450'-52', 4 SPF, 8 HOLES. 9426'-30', 3 SPF, 12 HOLES. 9344'-46', 3 SPF, 6 HOLES. POOH. 2:28 OPEN WELL 2640#. BEG PUMP, BRK @ 3704# @ 5.3 BPM. SD ISIP 2850# FG . 73. BEG FRAC, EST INJT RT @ 50.2 BPM @ 5854# =66% PERFS OPEN. PUMP 44,935# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2950# FG .74. 3:48 SWI FN, XO T/ GREEN WELL.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009	
Project: UTAH-UINTAH	Site: NBU 922-18J PAD		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/23/2009		End Date: 9/28/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/22/2009	7:00 - 19:30	12.50	COMP	36	B	P		STG 3) OPEN WELL 2000#. PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN. 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 9250' P/U PERF F/ 9214'-20', 3 SPF, 18 HOLES. 9200'-02', 4 SPF, 8 HOLES. 9182'-84', 3 SPF, 6 HOLES. 9018'-20', 4 SPF, 8 HOLES. POOH. 11:09 AM OPEN WELL 1300#. BEG PUMP, BRK @ 3198# @ 6.3 BPM. SD ISIP 2500# FG .69. BEG FRAC, EST INJT RT @ 51.9 BPM @ 5600# =72% OPEN PERFS. PUMP 66,708# 30/50 WHITE. CUT SAND 10,948# SHORT = 85% OF FRAC PUMPED. NO 20/40 TLC IN THIS STG. STG 4) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN. 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8990' P/U PERF F/ 8958'-60', 4 SPF, 8 HOLES. 8922'-24', 4 SPF, 8 HOLES. 8868'-72', 3 SPF, 12 HOLES. 8824'-26', 3 SPF, 6 HOLES. 8792'-94', 3 SPF, 6 HOLES. POOH. 1:25 OPEN WELL 2245#. BEG PUMP, BRK @ 2700# @ 6.3 BPM. SD ISIP 2250# FG .68. BEG FRAC, EST INJT RT @ 51.9 BPM @ 5050# = 100% PERFS OPEN. PUMP 88,351# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2500# FG .71. 2:15 SWI. STG 5) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8764' P/U PERF F/ 8730'-34', 4 SPF, 16 HOLES. 8698'-00', 4 SPF, 8 HOLES. 8590'-94', 3 SPF, 12 HOLES. 8556'-58', 3 SPF, 6 HOLES. POOH. SWI. SDFN.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/23/2009	End Date: 9/28/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/23/2009	7:00 - 18:00	11.00	COMP	36	B	P		STG 5) 9:22AM OPEN WELL 1950#. BEG PUMPING, BRK @ 3172# @ 6.3 BPM. SD ISIP 2300# FG .70. BEG FRAC, EST INJT RT @ 51.2 BPM @ 4989# = 84% PERF'S OPEN. PUMP 58,444# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2750# FG .75. 9:57 SWI. FRAC CREW X-OVER T/ YELLOW. STG 6) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8466' P/U PERF F/ 8432'-36', 4 SPF, 16 HOLES. 8412'-14', 3 SPF, 6 HOLES. 8338'-40', 3 SPF, 6 HOLES. 8300'-04', 3 SPF, 12 HOLES. POOH. 12:42 PM OPEN WELL 1750#. BEG PUMPING, BRK @ 3612 @ 10.3 BPM. SD ISIP 2450# FG .72. BEG FRAC, EST INJT RT @ 49.6 BPM @ 4800# = 100% PERF'S OPEN. SD ISIP 2700# FG .75. 1:18 PM SWI. X-OVER T/ GREEN STG 7) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90, 120 & 180 DEG PHASING. RIH SET CBP @ 8182' P/U PERF F/ 8148'-52', 4 SPF, 16 HOLES. 7970'-74', 2 SPF, 8 HOLES. 7918'-24', 3 SPF, 18 HOLES. POOH. 4:49 PM OPEN WELL 902#. BEG PUMPING, BRK @ 3430# @ 6.3 BPM. SD ISIP 1600# FG .63. BEG FRAC, EST INJT RT @ 51 BPM @ 4130# =85% PERF'S OPEN. PUMP 61,798# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2600# .75. 5:25 PM SWI, SDFN.
9/24/2009	7:00 - 15:00	8.00	COMP	34	I	P		PU 4 1/2 8K HAL CBP. RIH SET CBP @ 7868'. POOH. SWI. RDMO WL & FRAC CREW.
9/28/2009	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #1, DAY 1

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008 Spud Date: 1/12/2009	
Project: UTAH-UINTAH	Site: NBU 922-18J PAD	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/23/2009	End Date: 9/28/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 12:00	4.75	COMP	31	I	P		MIRU, N/D FRAC VALVE, N/U BOPS, R/U TBG EQUIP, P/U RIH W/ 3 7/8 BIT & POBS, TALLY AND RIH W/ 2 3/8" TBG, TAG @ 7868', R/U POWER SWIVEL, ESTIB. CIRC DN TBG OUT CSG, (DRLG CBP #1) 7868', DRILL OUT HALLIBURTON 8K CBP IN 10 MIN, 50 # DIFF, RIH TAG @ 8140 ', C/O 42 ' SAND, FCP = 50 #, (DRLG CBP #2) 8182', DRILL OUT HALLIBURTON 8K CBP IN 15 MIN, 0 # DIFF, RIH TAG @ 8400 ', C/O 66 ' SAND, FCP = 50 #, (DRLG CBP #3) 8466', DRILL OUT HALLIBURTON 8K CBP IN 20 MIN, 50 # DIFF., RIH TAG @ 8740 ', C/O 30 ' SAND, FCP = 100 #, (DRLG CBP #4) 8770', DRILL OUT HALLIBURTON 8K CBP IN 15 MIN, 25 # DIFF, RIH TAG @ 8950 ', C/O 40 ' SAND, FCP = 125 #, (DRLG CBP #5) 8990', DRILL OUT HALLIBURTON 8K CBP IN 15 MIN, 50 # DIFF, RIH TAG @ 9225 ', C/O 25 ' SAND, FCP = 175 #, (DRLG CBP #6) 9250', DRILL OUT HALLIBURTON 8K CBP IN 15 MIN, 100 # DIFF, RIH TAG @ 9524 ', C/O 30 ' SAND, FCP = 275 #, (DRLG CBP #7) 9554', DRILL OUT HALLIBURTON 8K CBP IN 15 MIN, 125 # DIFF, RIH TAG @ 9750 ', C/O 48' SAND, TO PBTD @ 9798', FCP = 400 #, CIRC WELL CLEAN, R/D POWER SWIVEL, POOH LAY DN 16 JTS ON TRAILER, LAND TBG W/ HANGER 293 JTS 2 3/8" L-80 TBG, EOT @ 9314', R/D TBG EQUIP, N/D BOPS, N/U WH, DROP BALL DN TBG PUMP OFF THE BIT @ 3100 #, WAIT 30 MIN FOR BIT TO FALL TO BTTM, OPEN WELL UP TO FBY ON 20/64 CHOKE, FTP = 1300 # SICP = 1600 #, TURN WELL OVER TO FBC @ 6:30 PM, W/ 9379 BBLS WTR LTR, AVG. 15 MIN / PLUG, W @ 292' SAND @ 42' / PLUG. KB = 26.00' HANGER = .83' 293 JTS 2 3/8" L-80 TBG = 9273.11' XN-NIPPLE 1.875 PROFILE = 2.20' EOT = 9302.14' 316 JTS 2 3/8" L-80 TBG DELV. 293 JTS LANDED 23 JTS RETURNED

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S (ORANGE)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009	
Project: UTAH-UINTAH	Site: NBU 922-18J PAD		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/23/2009		End Date: 9/28/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: 0/9/S/22/E/18/0/NWSE/6/PM/S/1,453.00/E/0/2,564.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/29/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1950#, TP 1850#, 20/64" CK, 52 BWPH, LIGHT SAND, LIGHT GAS TTL BBLS RECOVERED: 3029 BBLS LEFT TO RECOVER: 8654
9/30/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3100#, TP 2025#, 20/64" CK, 38 BWPH, LIGHT SAND, LIGHT GAS TTL BBLS RECOVERED: 4065 BBLS LEFT TO RECOVER: 7618
	9:00 -		PROD	50				WELL TURNED TO SALE @ 0900 HR ON 9/30/09 - FTP 1950#, CP 3200#, 1.6 MCFD, 38 BWPD, 20/64 CK

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU461

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. 891008900A

2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE LP Contact: ANDY LYTLE E-Mail: andrew.lytle@anadarko.com

8. Lease Name and Well No. NBU 922-18J3S

3. Address P.O. BOX 173779 DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6100

9. API Well No. 43-047-39842

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NWSE 1482FSL 2523FEL 40.03281 N Lat, 109.48232 W Lon

At top prod interval reported below NWSE 1890FSL 2052FEL

At total depth NWSE 1861FSL 2080FEL per HSM review

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 18 T9S R22E Mer

12. County or Parish UINTAH

13. State UT

14. Date Spudded 12/13/2008

15. Date T.D. Reached 07/12/2009

16. Date Completed ☐ D & A ☒ Ready to Prod. 09/30/2009

17. Elevations (DF, KB, RT, GL)* 4861 GL

18. Total Depth: MD 9875 TVD 9779

19. Plug Back T.D.: MD 9799 TVD 9703

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
BHV-ACRT_SDL_DSN-TRIPLE COMBO

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2841		720			
7.875	4.500 I-80	11.6		9843		1894			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9302							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	MESAVERDE	7918	9750	7918 TO 9750	0.360	286	OPEN
B)							
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7918 TO 9750	PMP 11,418 BBLS SLICK H20 & 448,467 LBS 30/50 SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
09/30/2009	10/04/2009	24	→	26.0	2093.0	100.0			FLOWS FROM WELL
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas:Oil Ratio**	**Well Status**	
20/64	1356	1455.0	→	26	2093	100		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	**Tbg. Press. Flwg. SI**	**Csg. Press.**	**24 Hr. Rate**	**Oil BBL**	**Gas MCF**	**Water BBL**	**Gas:Oil Ratio**	**Well Status**	
			→						

RECEIVED
NOV 09 2009
DIV. OF OIL, GAS & MINING

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #76892 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1719				
MAHOGANY	2361				
WASATCH	5100	7685			
MESAVERDE	7804	9815			

32. Additional remarks (include plugging procedure):
ATTACHED TO THIS COMPLETION REPORT IS THE CHRONOLOGICAL WELL HISTORY AND END OF WELL REPORT (DIRECTIONAL SURVEY).

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #76892 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name *(please print)* ANDY LYTLE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 11/05/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Anadarko
Petroleum Corporation

ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)
NBU 922-18 PAD IJNOP
NBU 922-18J3S

1

Survey: FINAL

Standard Survey Report

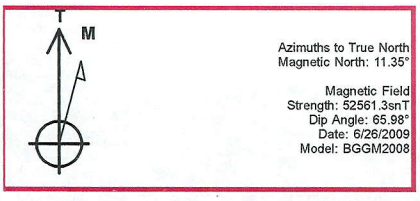
13 July, 2009

Weatherford®

Anadarko E&P Company LP

NBU 922-18J3S
UINTAH COUNTY, UTAH (nad 27)
SECTION 18 T9S R22E
LAT: 40° 1' 58.249 N
LONG: 109° 28' 53.879 W
RIG: HP 298

Weatherford®



Azimuths to True North
Magnetic North: 11.35°

Magnetic Field
Strength: 52561.3snT
Dip Angle: 65.98°
Date: 6/26/2009
Model: BGGM2008

WELL DETAILS: NBU 922-18J3S

Ground Level: 4861.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	14541628.13	2065452.84	40° 1' 58.249 N	109° 28' 53.879 W	

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	2660.00	1.00	187.35	2659.96	-4.36	-5.89	0.00	0.00	-7.31	
2	2887.00	1.00	187.35	2886.92	-8.29	-6.40	0.00	0.00	-10.26	
3	3915.28	24.95	48.34	3883.94	129.28	157.21	2.50	-140.38	203.47	
4	4064.16	24.95	48.34	4018.93	171.02	204.12	0.00	0.00	266.26	
5	5727.28	0.00	0.00	5630.00	407.92	470.36	1.50	180.00	622.61	
6	9827.28	0.00	0.00	9730.00	407.92	470.36	0.00	0.00	622.61	PBHL-J3S

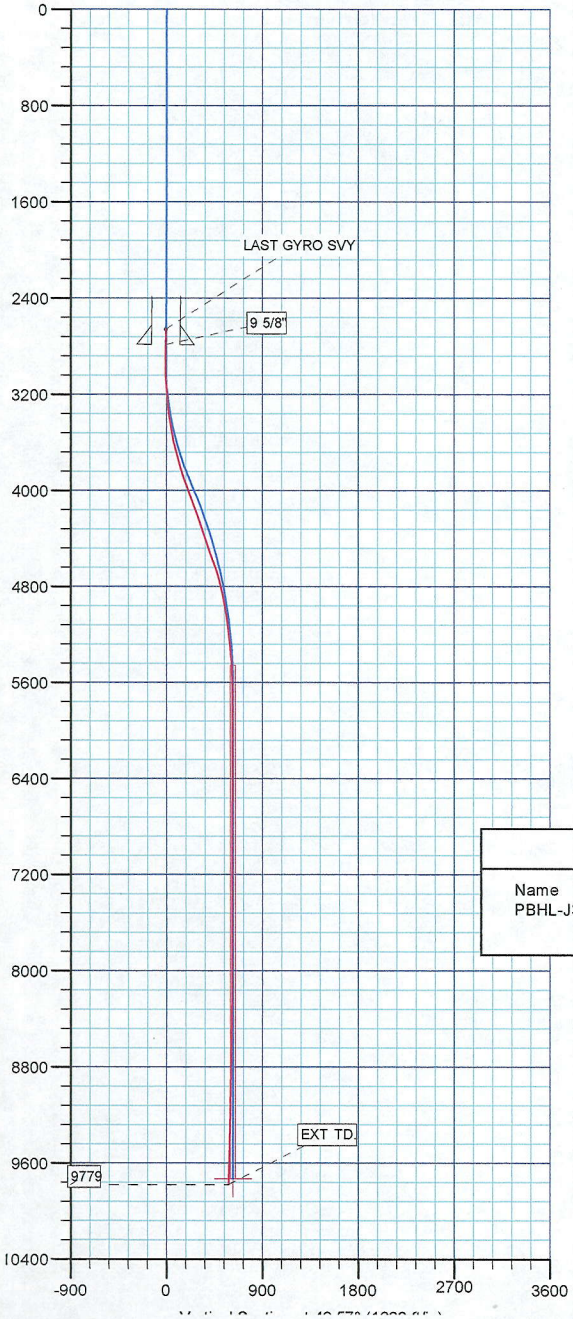
CASING DETAILS

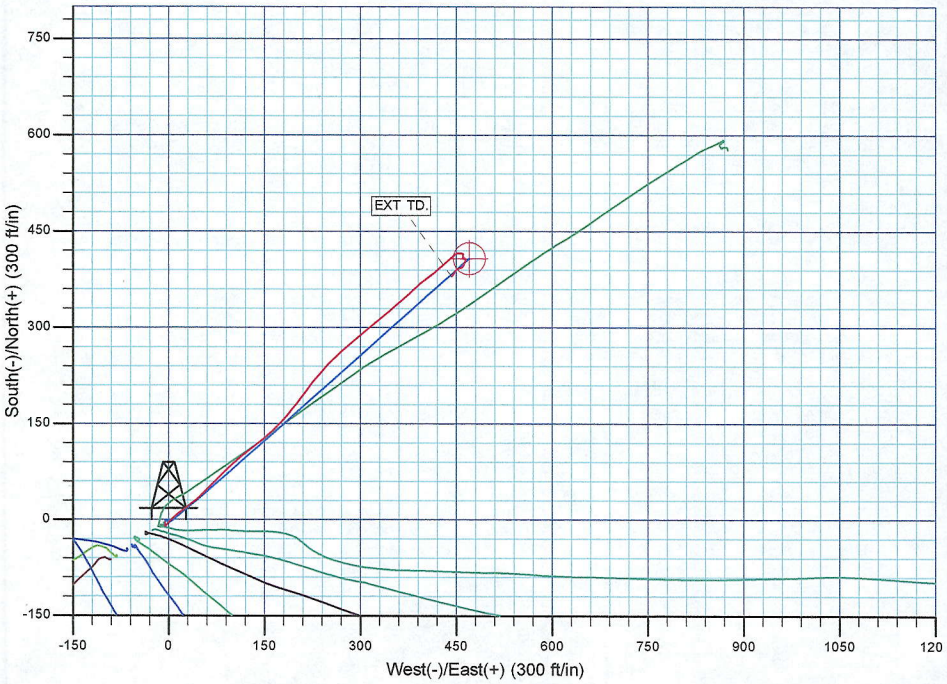
TVD	MD	Name	Size
2786.94	2787.00	9 5/8"	9.62

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4956.00	5049.74	WASATCH
7663.00	7760.28	MESAVERDE

KB ELEV: KB @ 4887.00ft
GRD ELEV: 4861.00





WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL-J3S	9730.00	407.92	470.36	14542044.01	2065916.18	40° 2' 2.281 N	109° 28' 47.831 W	Circle (Radius: 25.00)

Survey: Survey #2 (NBU 922-18J3S/1)

Created By: Robert H. Scott

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well NBU 922-18J3S
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	KB @ 4887.00ft
Site:	NBU 922-18 PAD IJNOP	**MD Reference:**	KB @ 4887.00ft
Well:	NBU 922-18J3S	**North Reference:**	True
Wellbore:	1	**Survey Calculation Method:**	Minimum Curvature
Design:	1	**Database:**	EDM 2003.21 Single User Db

Project	UINTAH COUNTY, UTAH (nad 27),		
Map System:	Universal Transverse Mercator (US Survey Fee	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 922-18 PAD IJNOP				
Site Position:		**Northing:**	14,541,563.95 ft	**Latitude:**	40° 1' 57.630 N
From:	Lat/Long	**Easting:**	2,065,363.48 ft	**Longitude:**	109° 28' 55.042 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	0.00 in	**Grid Convergence:**	0.98 °

Well	NBU 922-18J3S, 1453 FSL, 2564 FEL - SEC18 T9S R22E					
Well Position	**+N/-S**	0.00 ft	**Northing:**	14,541,628.13 ft	**Latitude:**	40° 1' 58.249 N
	+E/-W	0.00 ft	**Easting:**	2,065,452.84 ft	**Longitude:**	109° 28' 53.879 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,861.00 ft

Wellbore 1

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2008	6/26/2009	11.35	65.98	52,561

Design 1

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**
	0.00	0.00	0.00	49.57

Survey Program **Date** 7/13/2009

From (ft)	**To (ft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
100.00	2,660.00	Survey #1 (1)	Gyrodata RGS_WB	GyroCompass Mode
2,947.00	9,875.00	Survey #2 (1)	MWD	MWD - Standard

Survey

Measured Depth (ft)	**Inclination (°)**	**Azimuth (°)**	**Vertical Depth (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Vertical Section (ft)**	**Dogleg Rate (°/100ft)**	**Build Rate (°/100ft)**	**Turn Rate (°/100ft)**
2,660.00	1.00	187.35	2,659.96	-4.36	-5.89	-7.31	0.00	0.00	0.00
2,947.00	1.30	169.81	2,946.90	-10.05	-5.64	-10.80	0.16	0.10	-6.11
3,042.00	2.41	37.52	3,041.87	-9.52	-4.23	-9.39	3.60	1.17	-139.25
3,136.00	4.58	43.54	3,135.69	-5.23	-0.44	-3.73	2.34	2.31	6.40
3,231.00	5.57	43.92	3,230.32	0.84	5.37	4.63	1.04	1.04	0.40
3,326.00	8.90	52.14	3,324.55	8.67	14.37	16.57	3.66	3.51	8.65
3,421.00	9.63	53.65	3,418.31	17.89	26.58	31.83	0.81	0.77	1.59
3,513.00	10.69	51.46	3,508.87	27.77	39.45	48.04	1.23	1.15	-2.38
3,608.00	14.02	44.70	3,601.66	41.44	54.44	68.32	3.82	3.51	-7.12
3,702.00	16.77	44.76	3,692.28	59.17	72.00	93.18	2.93	2.93	0.06
3,797.00	16.89	45.14	3,783.21	78.63	91.43	120.60	0.17	0.13	0.40
3,892.00	20.79	51.76	3,873.11	98.81	114.47	151.22	4.68	4.11	6.97

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well NBU 922-18J3S
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	KB @ 4887.00ft
Site:	NBU 922-18 PAD IJNOP	**MD Reference:**	KB @ 4887.00ft
Well:	NBU 922-18J3S	**North Reference:**	True
Wellbore:	1	**Survey Calculation Method:**	Minimum Curvature
Design:	1	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,987.00	23.46	51.22	3,961.11	121.10	142.46	186.97	2.82	2.81	-0.57
4,082.00	21.63	43.96	4,048.86	145.55	169.36	223.31	3.50	-1.93	-7.64
4,177.00	23.31	39.35	4,136.65	172.70	193.44	259.24	2.56	1.77	-4.85
4,271.00	21.19	35.89	4,223.65	200.84	215.19	294.06	2.65	-2.26	-3.68
4,366.00	21.38	40.35	4,312.18	227.95	236.47	327.83	1.72	0.20	4.69
4,461.00	20.56	45.73	4,400.89	252.80	259.63	361.57	2.20	-0.86	5.66
4,556.00	21.81	50.73	4,489.48	275.61	285.24	395.87	2.31	1.32	5.26
4,651.00	22.00	49.73	4,577.62	298.29	312.48	431.30	0.44	0.20	-1.05
4,745.00	20.38	50.60	4,665.26	320.06	338.56	465.28	1.76	-1.72	0.93
4,840.00	16.31	48.85	4,755.42	339.34	361.40	495.17	4.32	-4.28	-1.84
4,935.00	13.31	46.43	4,847.25	355.66	379.37	519.43	3.22	-3.16	-2.55
5,029.00	12.25	51.10	4,938.92	369.38	394.97	540.21	1.57	-1.13	4.97
5,123.00	9.88	51.85	5,031.17	380.63	409.08	558.23	2.53	-2.52	0.80
5,217.00	8.00	49.48	5,124.02	389.86	420.39	572.84	2.04	-2.00	-2.52
5,312.00	7.38	48.85	5,218.17	398.17	430.01	585.55	0.66	-0.65	-0.66
5,407.00	6.63	49.98	5,312.46	405.71	438.81	597.13	0.80	-0.79	1.19
5,502.00	5.19	44.73	5,406.95	412.29	446.03	606.90	1.62	-1.52	-5.53
5,597.00	3.19	77.10	5,501.71	415.94	451.63	613.53	3.18	-2.11	34.07
5,692.00	2.44	98.23	5,596.59	416.24	456.21	617.20	1.33	-0.79	22.24
5,787.00	1.06	113.60	5,691.55	415.60	459.02	618.93	1.52	-1.45	16.18
5,882.00	0.25	130.35	5,786.54	415.11	459.98	619.34	0.87	-0.85	17.63
5,976.00	0.50	157.85	5,880.54	414.60	460.29	619.25	0.32	0.27	29.26
6,071.00	0.88	149.10	5,975.53	413.59	460.82	619.00	0.41	0.40	-9.21
6,166.00	0.63	341.73	6,070.53	413.46	461.03	619.07	1.58	-0.26	-176.18
6,260.00	0.31	303.35	6,164.53	414.09	460.66	619.20	0.46	-0.34	-40.83
6,355.00	0.19	223.23	6,259.52	414.11	460.34	618.97	0.35	-0.13	-84.34
6,449.00	0.31	169.10	6,353.52	413.75	460.28	618.69	0.27	0.13	-57.59
6,543.00	0.41	175.40	6,447.52	413.17	460.35	618.37	0.11	0.11	6.70
6,638.00	0.81	170.73	6,542.52	412.16	460.49	617.82	0.42	0.42	-4.92
6,731.00	1.13	174.22	6,635.50	410.60	460.69	616.96	0.35	0.34	3.75
6,826.00	0.75	137.60	6,730.49	409.21	461.20	616.45	0.73	-0.40	-38.55
6,921.00	0.25	326.60	6,825.49	408.93	461.50	616.49	1.05	-0.53	-180.00
7,016.00	0.38	322.48	6,920.49	409.35	461.20	616.53	0.14	0.14	-4.34
7,109.00	0.19	305.73	7,013.49	409.68	460.89	616.51	0.22	-0.20	-18.01
7,204.00	0.25	234.73	7,108.49	409.66	460.59	616.27	0.27	0.06	-74.74
7,298.00	0.50	180.73	7,202.48	409.13	460.42	615.80	0.43	0.27	-57.45
7,393.00	0.94	181.35	7,297.48	407.93	460.39	615.00	0.46	0.46	0.65
7,488.00	0.63	52.85	7,392.47	407.47	460.79	615.01	1.50	-0.33	-135.26
7,582.00	0.75	74.97	7,486.46	407.94	461.80	616.08	0.31	0.13	23.53
7,677.00	0.81	107.10	7,581.46	407.91	463.04	617.00	0.46	0.06	33.82
7,771.00	0.44	310.85	7,675.45	407.95	463.40	617.30	1.30	-0.39	-166.22
7,865.00	0.26	296.47	7,769.45	408.28	462.94	617.16	0.21	-0.19	-15.30
7,960.00	0.25	169.73	7,864.45	408.17	462.78	616.97	0.48	-0.01	-133.41
8,055.00	0.88	139.23	7,959.45	407.41	463.29	616.87	0.71	0.66	-32.11
8,149.00	1.38	149.60	8,053.43	405.89	464.34	616.68	0.57	0.53	11.03
8,244.00	1.69	198.73	8,148.40	403.58	464.47	615.28	1.38	0.33	51.72
8,339.00	0.50	290.85	8,243.38	402.40	463.63	613.88	1.87	-1.25	96.97
8,433.00	0.56	197.10	8,337.38	402.10	463.11	613.29	0.82	0.06	-99.73
8,528.00	1.15	206.92	8,432.37	400.81	462.54	612.02	0.64	0.62	10.34
8,634.00	1.69	202.48	8,538.34	398.42	461.46	609.65	0.52	0.51	-4.19
8,717.00	1.81	201.85	8,621.30	396.07	460.51	607.40	0.15	0.14	-0.76
8,812.00	1.25	239.10	8,716.27	394.15	459.06	605.05	1.17	-0.59	39.21
8,906.00	1.13	255.22	8,810.25	393.38	457.28	603.20	0.38	-0.13	17.15
9,001.00	1.05	264.99	8,905.23	393.07	455.51	601.65	0.21	-0.08	10.28

Company:	ANADARKO PETROLEUM CORP.	**Local Co-ordinate Reference:**	Well NBU 922-18J3S
Project:	UINTAH COUNTY, UTAH (nad 27)	**TVD Reference:**	KB @ 4887.00ft
Site:	NBU 922-18 PAD IJNOP	**MD Reference:**	KB @ 4887.00ft
Well:	NBU 922-18J3S	**North Reference:**	True
Wellbore:	1	**Survey Calculation Method:**	Minimum Curvature
Design:	1	**Database:**	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,098.00	0.81	245.60	9,002.22	392.71	454.00	600.26	0.40	-0.25	-19.99
9,190.00	0.81	244.47	9,094.21	392.16	452.82	599.01	0.02	0.00	-1.23
9,284.00	1.13	232.85	9,188.19	391.31	451.48	597.44	0.40	0.34	-12.36
9,378.00	1.19	222.10	9,282.17	390.03	450.09	595.55	0.24	0.06	-11.44
9,474.00	1.25	213.48	9,378.15	388.41	448.85	593.56	0.20	0.06	-8.98
9,569.00	1.63	209.10	9,473.12	386.37	447.62	591.29	0.42	0.40	-4.61
9,664.00	1.50	215.48	9,568.09	384.18	446.24	588.82	0.23	-0.14	6.72
9,759.00	1.56	214.73	9,663.05	382.10	444.78	586.37	0.07	0.06	-0.79
9,819.00	1.21	212.32	9,723.04	380.89	443.98	584.97	0.59	-0.58	-4.02
EXT TD.									
9,875.00	1.21	212.32	9,779.02	379.90	443.34	583.84	0.00	0.00	0.00

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
9,875.00	9,779.02	379.90	443.34	EXT TD.

Checked By: _____ Approved By: _____ Date: _____

Greater Natural Buttes Unit

NBU 922-18J3S

RE-COMPLETIONS PROCEDURE

DATE:7/23/2010
AFE#:2047238

COMPLETIONS ENGINEER: Conner Staley, Denver, CO
(720)-929-6419 (Office)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

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Name: **NBU 922-18J3S**
Location: **SW NW SE Sec. 18 T9S R22E**
Uintah County, UT
Date: **7/23/10**

ELEVATIONS: 4861 GL 4887 KB

TOTAL DEPTH: 9875 **PBTD:** 9798
SURFACE CASING: 9 5/8", 36# J-55 ST&C @ 2841'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9844'
Marker Joint **5048-5065**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS:

1719' Green River
2006' Birds Nest
2361' Mahogany
4956' Wasatch
7663' Mesaverde
9875' Bottom of Mesaverde (TD)

CBL indicates good cement below 1000'

GENERAL:

- A minimum of **15** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 7/13/09
- **4** fracturing stages required for coverage.
- Procedure calls for 5 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gal/1000 during pad and sand ramp up to 1.25 ppg. Pump at 10 gal/1000 during flush.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **7000** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.

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- **Call flush at 0 PPG @ inline densiometers. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.
- Pump a **curable resin coated sand (such as SLC)** last 5,000# of all frac stages
- Tubing Currently Landed @~9302
- Originally completed on 9/15/09

Existing Perforations:

Zone	Perfs		SPF	Holes
	Top, ft.	Bot., ft		
MESAVERDE	7918	7924	3	18
MESAVERDE	7970	7974	2	8
MESAVERDE	8148	8152	4	16
MESAVERDE	8300	8304	3	12
MESAVERDE	8338	8340	3	6
MESAVERDE	8412	8414	3	6
MESAVERDE	8432	8436	4	16
MESAVERDE	8556	8558	3	6
MESAVERDE	8590	8594	3	12
MESAVERDE	8698	8700	4	8
MESAVERDE	8730	8734	4	16
MESAVERDE	8792	8794	3	6
MESAVERDE	8824	8826	3	6
MESAVERDE	8868	8872	3	12
MESAVERDE	8922	8924	4	8
MESAVERDE	8958	8960	4	8
MESAVERDE	9018	9020	4	8
MESAVERDE	9182	9184	3	6
MESAVERDE	9200	9202	4	8
MESAVERDE	9214	9220	3	18
MESAVERDE	9344	9346	3	6
MESAVERDE	9426	9430	3	12
MESAVERDE	9450	9452	4	8
MESAVERDE	9520	9524	4	16
MESAVERDE	9606	9610	3	12
MESAVERDE	9662	9664	4	8
MESAVERDE	9688	9690	4	8
MESAVERDE	9746	9750	3	12

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PROCEDURE:

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~9302'). Visually inspect for scale and consider replacing if needed.

3. If tbg looks ok consider running a gauge ring to 7432 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7432 (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 7382'. Pressure test BOP and casing to 6000 psi. .

5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7324	7330	4	24
WASATCH	7350	7352	4	8

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gal of 15% HCl and let soak. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7324' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

7. Set 8000 psi CBP at ~7134'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
WASATCH	7040	7046	4	24
WASATCH	7100	7104	4	16

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7040' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~6176'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6136	6146	4	40

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6136' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~5400'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5246	5252	4	24
WASATCH	5368	5370	4	8

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5246' flush only with recycled water.

13. Set 8000 psi CBP at~5196'.

14. TIH with 3 7/8" mill, pump off sub, SN and tubing.

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15. Mill ALL plugs and clean out to PBTD at 9798. Land tubing at ±**9302**' pump off bit and bit sub. This well WILL be commingled at this time.

16. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.

17. RDMO

For design questions, please call
Conner Staley, Denver, CO
(720)-929-6419 (Office)

For field implementation questions, please call
Jeff Samuels Vernal, UT
435-781-9770 (Office)

NOTES:

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Name NBU 922-18J3S
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	7324	7330	4	24		7314	to	7333.5
	WASATCH	7350	7352	4	8		7349.5	to	7353.5
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				32		CBP DEPTH	7,134	
2	WASATCH	7040	7046	4	24		7030	to	7053
	WASATCH	7100	7104	4	16		7093	to	7108.5
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				40		CBP DEPTH	6,176	
3	WASATCH	6136	6146	4	40		6122.5	to	6167.5
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
					Look				
	# of Perfs/stage				40		CBP DEPTH	5,400	
4	WASATCH	5246	5252	4	24		5222.5	to	5254.5
	WASATCH	5368	5370	4	8		5353	to	5372
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				32		CBP DEPTH	5,196	
	Totals				144				

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Fracturing Schedules

Name NBU 922-18J3S

Slickwater Frac

Copy to new book

Recomplete?	Y
Pad?	Y
ACTS?	Y

Swabbing Days	0	Enter Number of swabbing days here for recompletes
Production Log	0	Enter 1 if running a Production Log
DFIT	0	Enter Number of DFITs

Stage	Zone	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	7324	7330	4	24	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	7350	7352	4	8	0	ISIP and 5 min ISIP													46
	WASATCH					50	Slickwater Pad			Slickwater	4,597	4,597	109	109	15.0%	0.0%	0	0		14
	WASATCH					50	Slickwater Ramp	0.25	1.5	Slickwater	15,324	19,921	365	474	50.0%	35.7%	13,408	13,408		46
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	10,727	30,648	255	730	35.0%	64.3%	24,135	37,543		0
	WASATCH					50	Flush (4-1/2)			Slickwater	4,781	35,429	114	844				37,543		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	37,543		0
	WASATCH											35,429	114	844						46
	WASATCH																			153
			# of Perfs/stage		Look 32									Flush depth	7324	gal/md-ft	65,000 CBP depth	79,625	7,134 lbs sand/md-ft 190	
						16.9	<< Above pump time (min)													
2	WASATCH	7040	7046	4	24	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	7100	7104	4	16	0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad			Slickwater	9,451	9,451	225	225	15.0%	0.0%	0	0		28
	WASATCH					50	Slickwater Ramp	0.25	1.5	Slickwater	31,502	40,953	750	975	50.0%	35.7%	27,564	27,564		95
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	22,052	63,005	525	1,500	35.0%	64.3%	49,616	77,181		0
	WASATCH					50	Flush (4-1/2)			Slickwater	4,596	67,600	109	1,610				77,181		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	77,181		0
	WASATCH											67,600	109	1,610						40
	WASATCH																			163
			# of Perfs/stage		Look 40									Flush depth	7040	gal/md-ft	45,000 CBP depth	55,125	6,176 lbs sand/md-ft 864	
						32.2	<< Above pump time (min)													
3	WASATCH	6136	6146	4	40	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH					0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad			Slickwater	15,076	15,076	359	359	15.0%	0.0%	0	0		45
	WASATCH					50	Slickwater Ramp	0.25	1.5	Slickwater	50,253	65,329	1,197	1,555	50.0%	35.7%	43,971	43,971		151
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	35,177	100,506	838	2,393	35.0%	64.3%	79,148	123,120		0
	WASATCH					50	Flush (4-1/2)			Slickwater	4,006	104,512	95	2,488				123,120		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	123,120		0
	WASATCH											104,512	95	2,488						35
	WASATCH																			231
			# of Perfs/stage		Look 40									Flush depth	6136	gal/md-ft	35,000 CBP depth	42,875	5,400 lbs sand/md-ft 736	
						49.8	<< Above pump time (min)													
4	WASATCH	5246	5252	4	24	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	5368	5370	4	8	0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad			Slickwater	6,590	6,590	157	157	15.0%	0.0%	0	0		20
	WASATCH					50	Slickwater Ramp	0.25	1.5	Slickwater	21,965	28,555	523	680	50.0%	35.7%	19,219	19,219		66
	WASATCH					50	Slickwater Ramp	1.5	3	Slickwater	15,376	43,930	366	1,046	35.0%	64.3%	34,595	53,814		0
	WASATCH					50	Flush (4-1/2)			Slickwater	3,425	47,355	82	1,127				53,814		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	53,814		0
	WASATCH											47,355	82	1,127						0
	WASATCH																			86
			# of Perfs/stage		32									Flush depth	5246	gal/md-ft	50,000 CBP depth	61,250	5,196 lbs sand/md-ft 50	
						22.5	<< Above pump time (min)													
	Totals				144						Total Fluid	254,895 gals		6,069 bbls			Total Sand	291,658		
												6,069 bbls								
						2.0								13.5 tanks					Total Scale Inhib. =	632

API Well No: 43047398420000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0461

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-18J3S

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047398420000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1482 FSL 2523 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 18 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ **NOTICE OF INTENT** Approximate date work will start: 8/5/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ **SUBSEQUENT REPORT** Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ **SPUD REPORT** Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ **DRILLING REPORT** Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH FORMATION. THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE NEWLY WASATCH WITH THE EXISTING MESAVERDE FORMATION. PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

Accepted by the Utah Division of Oil, Gas and Mining

Date: August 19, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 8/3/2010

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047398420000

Authorization: Board Cause No. 173-14.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: August 19, 2010

By:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0461

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 922-18J3S

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047398420000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1482 FSL 2523 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 18 Township: 09.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 7/23/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE OPERATOR HAS PERFORMED THE RECOMPLETION ON THE SUBJECT WELL. THE OPERATOR HAS RECOMPLETED THE WASATCH FORMATION. THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATION. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 07/23/2011 AT 9:00 AM. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Sheila Wopsock	435 781-7024	Regulatory Analyst
SIGNATURE N/A		**DATE** 7/25/2011

RECEIVED Jul. 25, 2011

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU461

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. UTU63047A

2. Name of Operator KERR MCGEE OIL & GAS ONSHORE, Contact: GINA T. BECKER
E-Mail: gina.becker@anadarko.com

8. Lease Name and Well No. NBU 922-18J3S

3. Address POBOX 173779
DENVER, CO 80217

3a. Phone No. (include area code)
Ph: 720-929-6086

9. API Well No. 43-047-39842

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NWSE 1482FSL 2523FEL 40.032810 N Lat, 109.482320 W Lon

At top prod interval reported below NWSE 1890FSL 2052FEL

At total depth NWSE 1862FSL 2080FEL

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 18 T9S R22E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, KB, RT, GL)*
12/13/2008	07/12/2009	☐ D & A ☒ Ready to Prod. 07/23/2011	4861 GL

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
MD 9875 TVD 9779	MD 9779 TVD 9703	MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
BHV-ACRT-SDL-DSN-TRIPLE COMBO Original Logs

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STL	36.7		40		28			
12.250	9.625 J-55	36.0		2841		720		0	
7.875	4.500 I-80	11.6		9843		1894		950	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7082							

25. Producing Intervals / 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5246	7362	5246 TO 7362	0.360	96	OPEN
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5246 TO 7362	PUMP 4,044 BBLS SLICK H20 109,694 LBS SAND

RECEIVED
SEP 07 2011
DIV. OF OIL, GAS & MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/23/2011	08/09/2011	24	→	29.0	2005.0	16.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	326	349.0	→	29	2005	16		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #116261 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1719				
BIRD'S NEST	2006				
MAHOGANY	2361				
WASATCH	4956				
MESAVERDE	7663	9875			

32. Additional remarks (include plugging procedure):
Attached is the chronological recompletion history and perforation report.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #116261 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE,L, sent to the Vernal

Name *(please print)* GINA T. BECKER Title REGULATORY ANALYST

Signature (Electronic Submission) Date 08/26/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S [yellow****)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009	
Project: UTAH-UINTAH	Site: NBU 922-18K PAD		Rig Name No:
Event: RECOMPL/RESEREVEADD	Start Date: 7/12/2011		End Date: 7/22/2011
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,482.00/E/0/2,523.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/12/2011	7:00 - 18:30	11.50	COMP	30	A	P		7AM [DAY 1] JSA--R/U RIG, NDWH, NUBOP, SCANNING & L/D TBG. MIRU, SPOT EQUIPMENT. FTP=130#, FCP130#. RETREIVE PLUNGER. EOT @ 9302'. KILL TBG W/ 30 BBLS TMAC. NDWH, NUBOP. R/U FLOOR & TBG EQUIPMENT. UNLAND TBG. L/D HANGER. BAD THREADS IN FMC HANGER. ALSO LIGHT SCALE IN THREADS. CALL FMC FOR NEW HANGER & DELIVER TO LOCATION IN AM. MIRU SCAN TECH. POOH SCANNINING 2-3/8" I-80 TBG & LAYING DOWN ON SILLS ON LOCATION. PULLING 75K COMING OFF BTM. KILL TBG W/ 40 BBLS 3/4 OUT. TOTAL OF 293 JTS. L/D 7 JTS YELLOW BAND THAT NEEDS ID RATTELED & CLEANED OUT, & 4 JTS RED BND W/ UP TO 28% WALL LOSS. -- MEDIUM SCALE ON OD ON BTM 20 JTS +-. PUMPED 70 BBLS TOTAL. 20-70 NORM READINGS ON TBG. LIGHT SCALE ID OFF & ON THRU OUT STRING. DRIFT ALL W/ 1.90 DRIFT. MIRU C.H.S. RIH W/ 4.5" GAUGE RING TO 7440. SNUG SPOT FROM 5250' TO 5850'. RIH W/ 4.5" HALL 10K CBP & SET @ 7392'. POOH & L/D W.L. TOOLS. RDMO C.H.S. 6:30 PM SWI-SDFN.
7/13/2011	7:00 - 10:00	3.00	COMP	30		P		7AM [DAY 2] JSA-- NDWH, NUFV, P.T., R/D RIG. SICP=0#. NDBOP, NUFV. FILL CSG & P.T. TO 1000# FOR 1 HR., 0# LOST IN 1 HR. RDMO. MOVE OVER TO NEXT RECOMPLETE ON 18K PAD, NBU 922-18I3S. PREP TO FRAC NEXT WEEK.
7/15/2011	6:45 - 7:00	0.25	COMP	48		P		HSM PRESS ON FRAC VALVES
	7:00 - 10:00	3.00	COMP	33		P		RU B& C QUICK TEST FILL SURFACE AND WELL TEST CSG & FRAC VALVES TO 1000 PSI FOR 15 MIN LOST 14 PSI TEST CSG & FRAC VALVES TO 3500 PSI FOR 15 MIN LOST 36 PSI TEST CSG & FRAC VALVES TO 6200 PSI FOR 30 MIM LOST 59 PSI
7/20/2011	6:45 - 7:00	0.25	COMP	48		P		HSM HIGH PRESSURE AND THUNDER STORMS

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S [yellow****)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009	
Project: UTAH-UINTAH	Site: NBU 922-18K PAD		Rig Name No:
Event: RECOMPL/RESEREVEADD	Start Date: 7/12/2011		End Date: 7/22/2011
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,482.00/E/0/2,523.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 18:00	11.00	COMP	36				PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. AS PER DESIGN. POOH. X-OVER FOR FRAC CREW FRAC STG 1) WHP 372 PSI, BRK 2905 PSI @ 4-3 BPM. ISIP 1801 PSI, FG .68. PUMP 100 BBLS @ 38.5 BPM @ 5594 PSI = 61% HOLES OPEN. ISIP 2465 PSI, FG .77, NPI 664 PSI. MP 5988 PSI, MR 48.1 BPM, AP 5117 PSI, AR 39.7 BPM, PMP 1255 BBLS SW & 18,040 LBS OF 30/50 SND NO RESIN SND.TOTAL PROP 00,000 LBS X-OVER FOR W L (HAD TO FLUSH 970# SAND AFTER 20 MIN DUE TO COMPUTER PROBLEMS) PERF STG 2) PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 7134' P/U PERF AS PER PERF DESIGN. POOH.X-OVER FOR FRAC CREW FRAC STG 2) WHP 1443 PSI, BRK 1812 PSI @ 3.7 BPM. ISIP 1532 PSI, FG .66 PUMP 100 BBLS @ 50.4 BPM @ 4209 PSI = 95% HOLES OPEN. ISIP 1850 PSI, FG .70, NPI 318 PSI. MP 5363 PSI, MR 50.0 BPM, AP 4241 PSI, AR 50.0 BPM, PMP 749 BBLS SW & 22,254 LBS OF 30/50 SND & NO RESIN SND TOTAL PROP 22,254 X-OVER TO W L PERF STG 3) PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 6180' P/U PERF AS PER PERF DESIGN. POOH X-OVER FOR FRAC CREW FRAC STG 3) WHP 155 PSI, BRK 1660 PSI @ 4.5 BPM. ISIP 1155 PSI, FG .63. PUMP 100 BBLS @ 50.1 BPM @ 4799 PSI = 71% HOLES OPEN. ISIP 1418 PSI, FG .67, NPI 263 PSI. MP 5556 PSI, MR 51.9 BPM, AP 5014 PSI, AR 49.0 BPM, PMP 1373 BBLS SW & 45,842 LBS OF 30/50 SND & NO RESIN SND.TOTAL PROP 45,842 LBS X-OVER FOR W L PERF STG 4) PU 4 1/2 8K HAL CBP & 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH SET CBP @ 5400' P/U PERF AS PER PERF DESIGN. POOH.X-OVER FOR FRAC CREW FRAC STG 4) WHP 185 PSI, BRK 14650 PSI @ 3.6 BPM. ISIP 547 PSI, FG .54. PUMP 100 BBLS @ 47.6 BPM @ 5277 PSI = 60% HOLES OPEN. ISIP 1631 PSI, FG .75, NPI 1084 PSI. MP 5311 PSI, MR 49.8 BPM, AP 4970 PSI, AR 49.3 BPM, PMP 668 BBLS SW & 23,558 LBS OF 30/50 SND & NO RESIN SND.TOTAL PROP 23,558 LBS X-OVER TO W L

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S [yellow****)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009	
Project: UTAH-UINTAH	Site: NBU 922-18K PAD		Rig Name No:
Event: RECOMPL/RESEREVEADD	Start Date: 7/12/2011		End Date: 7/22/2011
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,482.00/E/0/2,523.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								PU & RIH W 4 1/2 CBP SET KILL PLUG @ 5196 RD W L SWI TOTAL SAND = 109,694# TOTAL TOTAL CLFL =4044 TOTAL SCALE = 530 GAL TOTAL BIO = 83
7/21/2011	7:00 - 17:00	10.00	COMP	30	A	P		7AM [DAY 5] JSA-- R/U RIG, P/U TBG, DRIFTS. MIRU, SPOT EQUIPMENT. NDWH, NUBOP. R/U FLOOR & TBG EQUIPMENT. P/U 3-7/8" MILL, SLIDING SLEEVE SUB & 2-3/8" YELL BND N-80 TBG. [SLM & DRIFTED] CIRCULATE TBG EVERY 500' WITH TMAC. EOT @ 5160'. R/U SWVL & RIG PUMP. ESTABLISH CIRCULATION. P.T. BOP TO 3000#. LOST 0# IN 30 MINUTES. 4PM SWI-SDFN. PREP TO D/O PLUGS IN AM.

Operation Summary Report

Well: NBU 922-18J3S [yellow****)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009	
Project: UTAH-UINTAH	Site: NBU 922-18K PAD		Rig Name No:
Event: RECOMPL/RESEREVEADD	Start Date: 7/12/2011		End Date: 7/22/2011
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,482.00/E/0/2,523.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/22/2011	7:00 -		COMP	30		P		7AM [DAY 6] JSA-- P/U TBG, NDBOP, NUWH, FOAM UNITS, SLK LINE. MIRU WTFRD FOAM / NITROGEN UNIT. STAND-BY. EOT @ 5160'. SITP-0#, SICP=0#. ESTABLISH CIRCULATION. C/O 10' SAND TO CBP#1. [DRLG CBP#1] @ 5196'. D/O HALL 8K CBP IN 8 MIN. 0# INCREASE. RIH & C/O 45' SAND TO CBP#2. FCP=50#. [DRLG CBP#2] @ 5400'. D/O HALL 8K CBP IN 7 MIN. 0# INCREASE. RIH & C/O 30' SAND TO CBP#3. FCP=50#. [DRLG CBP#3] @ 6180'. D/O HALL 8K CBCP IN 15 MIN. 0# INCREASE. RIH & C/O 30' SAND TO CBP#4. FCP=50#. [DRLG CBP#4] @ 7134'. D/O HALL 8K CBP IN 12 MIN. 0# INCREASE. RIH, TAG SAND @ 7362'. C/O 10' SAND TO 7372'. CIRC WELL CLN. R/D SWVL. POOH & L/D 10 JTS ON SILLS ON LOCATION. LAND TBG ON HANGER W/ 223 JTS 2-3/8" L-80 YELL BND TBG. EOT @ 7081.70'. R/D FLOOR & TBG EQUIPMENT. NDBOP, NUWH. ISOLATION PLUG STILL @ 7392'. WASATCH ONLY PRODUCING. MIRU DELSCO SLICK LINE TRUCK. RIH TO RETRV PLUGGED SLEEVE @ 7081'. STACK OUT @ 6150'. SCALE? POOH & L/D SLK LINE TOOLS. FOUND BENT GUIDE ON TOOL. RDMO DELSCO. CALL CUTTERS TO PERF TBG. MIRU CUTTERS. RIH W/ 6' x 1-11/16" PERF GUNS. SHOOT 24, 1/4" HOLES @ 7071-77'. POOH. RDMO CUTTERS. 3 PM TURN WELL OVER TO DELSCO FBC & APC MAINT CREW. CREWS ATTEMPTING TO SELL GAS. FTP=250#, SICP=500# ON OPEN CHOKE TO FBT. UNLOADING A BUNCH OF WATER. TRYING TO GET HALL 9000 TO OPERATE. FLOW TESTER WILL SHUT IN WELL, IF NEEDED TO BUILD PSI. THEN OPEN TO SALES ON 20/64 CHOKE. LTR=3500 BBLS. R/D RIG & FOAM / N2 UNIT. MOVE OVER & R/U ON NBU 922-18I3S. NDWH, NUBOP. R/U FLOOR & TBG EQUIPMENT. 5 PM SDF-WE. PREP TO D/O 3 CBP'S ON MONDAY 7/25/11 282 JTS ON LOCATION ON SILLS 223 JTS LANDED 56 JTS ON SILLS, 3 WOULD NOT DRIFT. LOADED ALL TBG ON FLOAT WHEN FINISHED D/O PLIUGS, SO PROD COULD HOOK UP CHEMICAL BULK TANKS. 305 TOTAL JTS 2-3/8" L-80 YELL BND ON TRAILER

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18J3S [yellow****)	Spud Conductor: 12/13/2008	Spud Date: 1/12/2009	
Project: UTAH-UINTAH	Site: NBU 922-18K PAD		Rig Name No:
Event: RECOMPL/RESEREVEADD	Start Date: 7/12/2011		End Date: 7/22/2011
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,482.00/E/0/2,523.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								ON CORNER OF LOCATION TO USE TO D/O ISOLATION PLUGS & LAND TBG ON 3 OF THE RECOMPLETE WELLS 3 JTS DID NOT DRIFT & ARE MARKED. 100 OF THE JTS CAME FROM B&C / APC YARD AND THE REST CAME OUT OF THE WELLS ON 18K PAD.
7/23/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 2000#, TP OPEN#, NA/64" CK, NA BWPH, NA SAND, NA GAS TTL BBLS RECOVERED: 772 BBLS LEFT TO RECOVER: 3272
7/24/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1500#, TP 1150#, 20/64" CK, 10 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 1072 BBLS LEFT TO RECOVER: 2972
7/25/2011	7:00 -			33	A			7 AM FLBK REPORT: CP 1500#, TP 1350#, 20/64" CK, 5 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 1231 BBLS LEFT TO RECOVER: 2813

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 922-18J3S [yellow****)		
Common Name	NBU 922-18J3S		
Well Name	NBU 922-18J3S	**Wellbore No.**	OH
Report No.	1	**Report Date**	7/12/2011
Project	UTAH-UINTAH	**Site**	NBU 922-18K PAD
Rig Name/No.		**Event**	RECOMPL/RESEREVEADD
Start Date	7/12/2011	**End Date**	7/22/2011
Spud Date	1/12/2009	**Active Datum**	RKB @4,887.00ft (above Mean Sea Level)
UWI	NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,482.00/E/0/2,523.00/0/0		

1.3 General

Contractor		**Job Method**	PERFORATE	**Supervisor**	
Perforated Assembly	PRODUCTION CASING	**Conveyed Method**	WIRELINE		

1.4 Initial Conditions

Fluid Type		**Fluid Density**	
Surface Press		**Estimate Res Press**	
TVD Fluid Top		**Fluid Head**	
Hydrostatic Press		**Press Difference**	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	5,246.0 (ft)-7,362.0 (ft)	**Start Date/Time**	7/18/2011 12:00AM
No. of Intervals	7	**End Date/Time**	7/18/2011 12:00AM
Total Shots	96	**Net Perforation Interval**	24.00 (ft)
Avg Shot Density	4.00 (shot/ft)	**Final Surface Pressure**	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
12:00AM	WASATCH/			5,246.0	5,250.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (ft)	CCL-TS (ft)	MD Top (ft)	MD Base (ft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
12:00AM	WASATCH/			5,368.0	5,370.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			6,144.0	6,150.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			7,040.0	7,044.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			7,102.0	7,104.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			7,324.0	7,328.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	
12:00AM	WASATCH/			7,360.0	7,362.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTION	

3 Plots

3.1 Wellbore Schematic